A8/20-3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL
No. 136-88 October 28, 1988

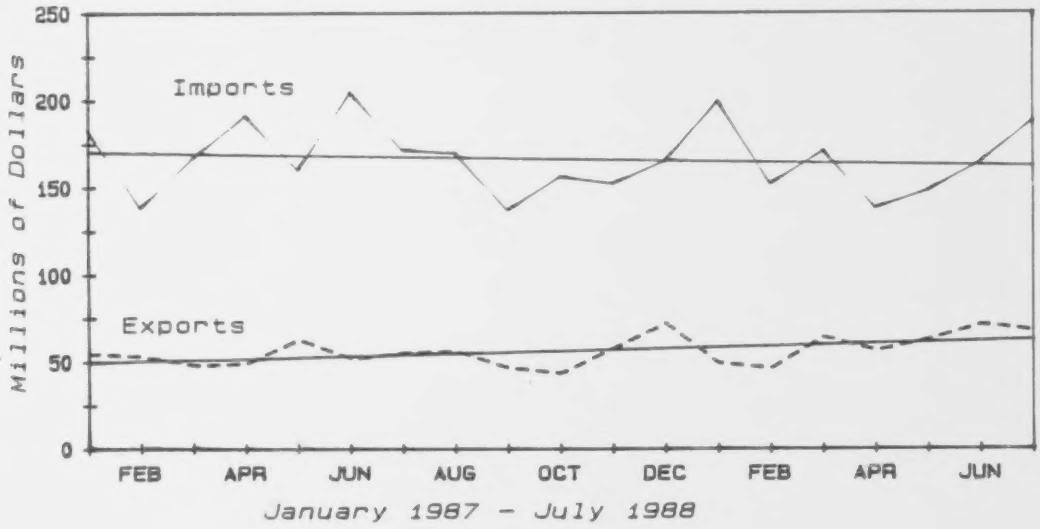
U.S. FOREIGN TRADE IN MACHINE TOOLS - JULY 1988

U.S. exports of machine tools rose 11% compared to the first seven months of 1987, to $418.3 million. Year-to-date imports fell 5% from the same period last year to $1,159.9 million. U.S. exports fell 5% from their June 1988 level, while U.S. imports increased 14%. These changes combined to produce a trade deficit of $741.6 million for the first seven months of 1988. This represents a 12% improvement over the same period last year.

U.S. Machine Tool Trade
($Millions)

	July 1988			Seven Month Total		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$39.0	$149.8	($110.8)	$234.4	$ 895.6	($661.2)
Metal Forming	$28.7	$ 38.3	($ 9.6)	$184.0	$ 264.2	($ 80.2)
Total	$67.6	$188.1	($120.5)	$418.3	$1,159.9	($741.6)

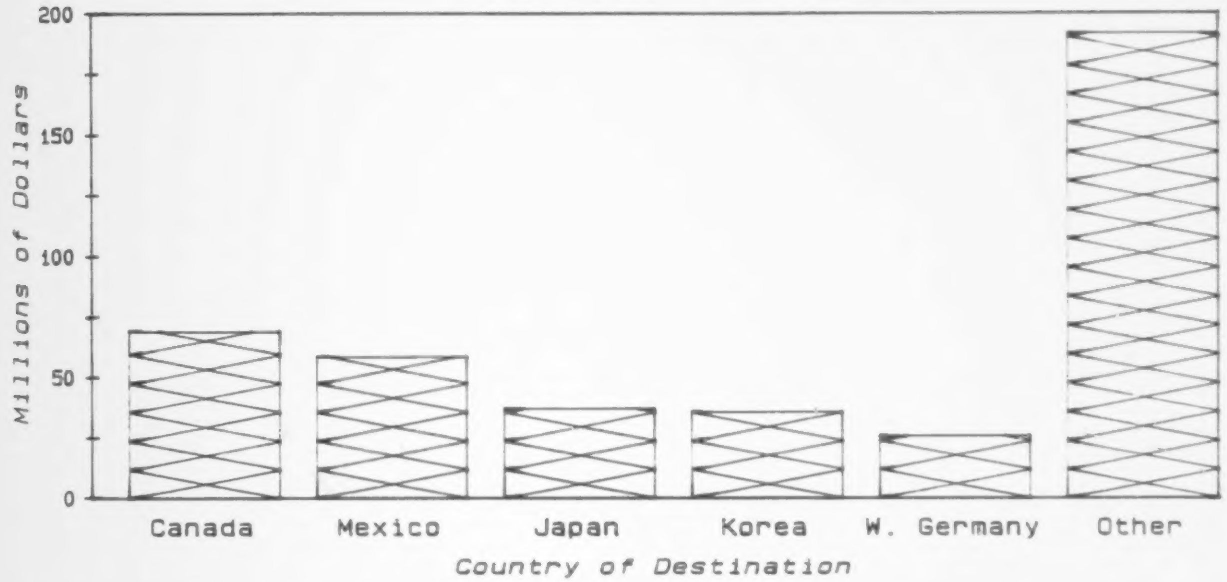
U.S. FOREIGN TRADE -- TOTAL MACHINE TOOLS
Monthly Totals



7901 WESTPARK DRIVE, McLEAN, VIRGINIA 22102-4269 / PHONE (703) 893-2900 / TLX: 353819 / FAX (703)893-1151

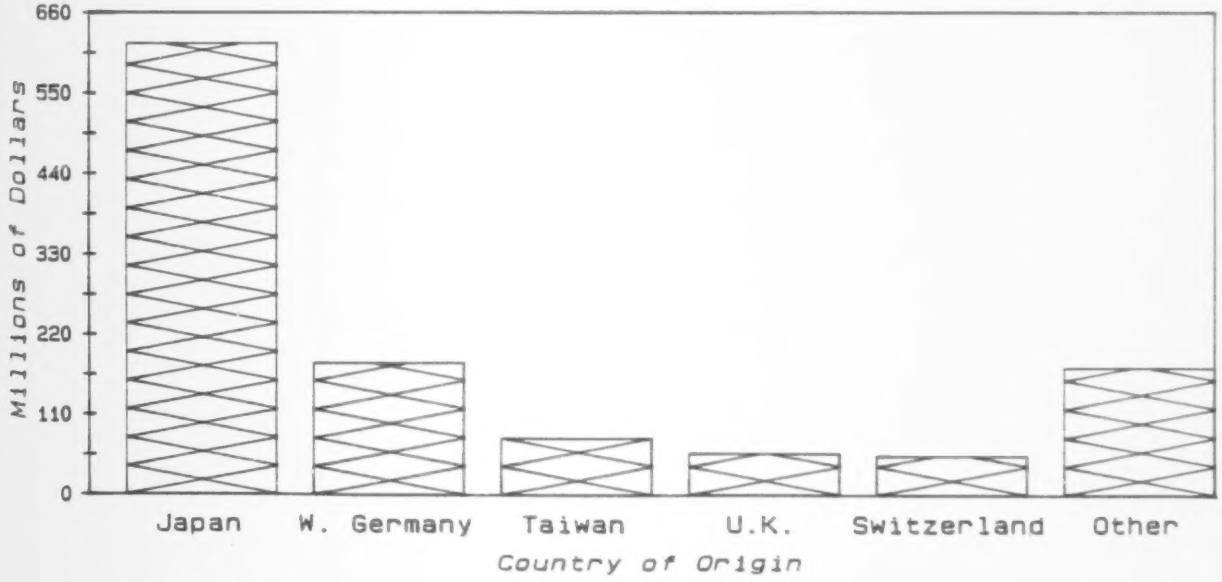
U.S. exports of metal cutting machine tools fell 12% compared to last month's total while metal forming exports rose 6%. Compared to the first seven months of 1987, metal cutting exports increased 9% and exports of metal forming machinery jumped 15%. For January through July 1988, the leading export markets were (in millions): Canada ($69.3), Mexico ($58.5), Japan ($37.1), the Korean Republic ($35.7) and West Germany ($25.9).

U.S. EXPORTS
1988, Year to Date



U.S. imports of metal cutting machinery fell 1% from their year-to-date 1987 level and imports of metal forming machinery declined 15%. Metal cutting machine tool imports rose 23% from last month's level while metal forming imports dropped 10%. The leading exporters to the U.S. during the first seven months of 1988 were (in millions): Japan ($618.0), West Germany ($180.5), Taiwan ($77.4), the United Kingdom ($56.8) and Switzerland ($53.2).

U.S. IMPORTS
1988, Year to Date



ES, I1, I2

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

RELEASED: OCTOBER 28, 1988		TOTAL YTD		TOTAL MO	
674: METAL CUTTING		UNITS	$000	UNITS	$000
3025	Gear Hobbers	46	7055	9	1780
3035	Gear Shapers	9	2158	1	256
3045	Gear Cutting Machines, N.E.C.	22	1300	0	0
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1015	78232	156	11273
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	55	6038	12	1238
3409	Horizontal Machining Centers, ATC, NC	433	66032	53	8994
3411	Machining Centers, NC, N.E.C.	202	41882	36	5506
3412	Single Station and Multi-Station Transfer Machines	152	55959	33	20248
3413	Way Type Machines, (Unit Heads)	0	0	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	5	1149	4	391
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	29	3770	4	838
3419	Vertical Boring-Drilling-Milling Machines, NC	80	8831	18	1562
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	7	1342	4	72
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	94	3031	13	318
3328	Drilling Machines, NC	152	5747	18	478
3329	Drilling Machines, Multi-Spindle, Non-NC	38	434	1	12
3334	Drilling Machines, Radial, Non-NC	75	464	5	50
3336	Drilling Machines, Upright, Single Spindle, Non-NC	91	707	6	123
3342	Drilling Machines, Non-NC, N.E.C.	310	10999	82	1580
3464	Milling Machines, NC	205	20168	52	3177
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	16	464	2	42
3467	Milling Machines, Knee Type, Non-NC	1872	11361	274	1697
3468	Milling Machines, Bed Type, Non-NC	211	9173	42	457
3469	Milling Machines, Non-NC, N.E.C.	1496	25918	203	3263
3476	Vertical Boring Machines, Incl. VTL's, NC	8	1591	0	0
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	29	1154	2	28
3481	Boring Machines, NC, N.E.C.	5	1114	1	207
3483	Boring Machines, Non-NC N.E.C.	239	5313	42	889
3504	Horizontal Lathes, Multi-Spindle, NC	83	9388	4	444
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	1995	124891	350	20415
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	259	31668	42	6344
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	42	2543	0	0
3512	Horizontal Engine & Toolroom Lathes, Non-NC	1686	14825	390	3295
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	7	438	5	295
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	12	1145	6	280
3515	Automatic Bar Machines, Single Spindle, Non-NC	93	2728	4	41
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	36	1563	0	0
3518	Horizontal Lathes, Non-NC, N.E.C.	160	3405	23	493
3505	Vertical Lathes, Multi-Spindle, NC	48	5699	26	3945
3519	Vertical Lathes, NSPF, NC	82	7196	9	590
3522	Vertical Lathes, Excl. VTL's, Non-NC	625	12863	98	1894
3527	Gear Tooth Grinding & Finishing Machines	372	15574	31	2205
3528	Tool & Cutter Grinding Machines, NC	48	1643	1	29
3529	Tool & Cutter Grinding Machines, Non-NC	706	23188	129	1431
3533	Honing & Lapping Machines	231	13810	17	861
3539	Grinding Machines, Flat Surface, NC	36	3125	1	127
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	416	5962	72	625
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	1387	15303	219	2781
3546	Grinding & Polishing Machines, NC, N.E.C.	113	16422	21	5867
3554	External Grinding Machines, Non-NC	217	7813	12	851
3556	Internal Grinding Machines, Non-NC	32	2734	3	612
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	87	2502	7	434
3559	Grinding Machines, Non-NC, N.E.C.	712	18591	106	2484
3562	Traveling Wire Electrical Discharge Machines	493	35122	73	5695
3564	All Other Electrical Discharge Machines	210	10401	23	1019
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	66	8514	14	1709
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	511	5751	11	2399
3576	Metal Cutting Machines Tools, NC, N.E.C.	153	10071	14	1556
3577	Sawing & Cut-Off Machines, Non-NC	974	13336	199	1927
3578	Broaching Machines, Non-NC	111	1589	1	3
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	1002	28133	225	5789
4000	Metal Cutting Machine Tools, Used or Rebuilt*	1136	10498	123	859
5000	Metal Cutting Machine Tools, Less Than $2500**	534664	55838	78333	8033
	TOTAL CUTTING			81665	149814
	TOTAL CUTTING YTD	555702	895642		
674 METAL FORMING					
1010	Die Casting Machines	294	21505	47	1990
3582	Metal Forming Machine Tools, Used or Rebuilt	334	3594	46	899
3583	Metal Forming Machine Tools, Less Than $2500	15131	6511	1903	820
3584	Punching and Shearing Machines, Incl. Combination, NC	175	19050	31	2678
3586	Shearing Machines, Non-NC	377	7392	43	851
3587	Punching & Combination Punching & Shearing Machines, Non-NC	328	6767	40	562
3588	Bending, Folding, Straightening & Flattening Machines, NC	176	10852	25	1259
3589	Press Brakes, Non-NC	340	8964	43	1339
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	70	1169	16	319
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	702	24055	108	3026
3593	Metal Forming Machine Tools, NC, N.E.C.	30	20799	2	58
3594	Mechanical Presses, Non-NC	291	33767	22	2464
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	35	3627	4	2147
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	623	35464	90	12669
3597	Headers & Upsetters, Non-NC	33	5086	5	589
3598	Forging Machines, Non-NC, N.E.C.	61	12187	12	738
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	1564	43442	169	5855
	TOTAL FORMING			2606	38271
	TOTAL FORMING YTD	20564	264236		
	TOTAL ALL TYPES			84271	188085
	TOTAL ALL TYPES YTD	576266	1159878		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461, 3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	4	158	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	1	435
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	2	180	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	1	12
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	1	90
3342	9	170	1	39	0	0	0	0	8	852
3464	0	0	0	0	0	0	0	0	1	1050
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	5	28	0	0	0	0	1	680	35	348
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	2	28
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	13	121
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	4	229	0	0
3508	0	0	0	0	0	0	0	0	1	255
3510	0	0	0	0	0	0	0	0	0	0
3512	4	20	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	1	12
3514	0	0	0	0	0	0	2	10	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	46	289	0	0	0	0	0	0	1	429
3527	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	2	14
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	16	140
3543	1	3	0	0	0	0	0	0	5	177
3546	0	0	0	0	0	0	0	0	4	362
3554	0	0	0	0	0	0	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	0	0	1	7	14	95	13	51	6	230
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	1	45	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	2	97	0	0
3577	0	0	0	0	0	0	1	3	7	41
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	0	0	1	89	1	18
4000	0	0	0	0	0	0	0	0	12	3
5000	7463	257	1	1	94	22	477	157	645	144
CUT MO.	7532	925	4	92	108	117	503	1496	763	4761
CUT YTD	9331	5354	267	1177	353	933	2771	6529	5879	22069
1010	0	0	0	0	0	0	0	0	2	289
3582	0	0	0	0	0	0	0	0	1	2
3583	2	1	186	44	10	6	204	115	90	70
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	9	169	0	0	0	0	8	195
3587	0	0	0	0	1	6	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	6	561	0	0	0	0	0	0
3591	0	0	0	0	0	0	0	0	2	19
3592	0	0	1	4	0	0	2	240	13	814
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	4	522	0	0	0	0	2	15
3597	0	0	0	0	0	0	0	0	4	506
3598	0	0	0	0	0	0	0	0	7	457
3599	0	0	1	50	0	0	6	345	18	869
FRM MO.	2	1	207	1350	11	12	212	700	147	3236
FRM YTD	49	232	812	8312	54	502	869	3759	1728	20716
TOT MO.	7534	926	211	1442	119	129	715	2196	910	7997
TOT YTD	9380	5586	1079	9489	407	1435	3640	10288	7607	42785

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	3	857	0	0
3411	0	0	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	2	388
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	4	391	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	7	659
3422	0	0	0	0	0	0	0	0	3	53
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	1	33	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	15	56	5	30	2	17
3464	0	0	0	0	14	138	1	20	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	115	801	0	0	0	0
3468	0	0	0	0	14	132	1	107	0	0
3469	0	0	0	0	2	19	0	0	1	132
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	1	270
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	3	317	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	2	55	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	87	0	0	0	0	5	15	0	0
3505	0	0	0	0	0	0	0	0	2	388
3519	0	0	0	0	0	0	0	0	0	0
3522	0	0	0	0	0	0	0	0	0	0
3527	0	0	0	0	0	0	0	0	13	832
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	13	282
3533	0	0	0	0	4	337	1	11	0	0
3539	0	0	0	0	0	0	0	0	1	127
3541	0	0	0	0	0	0	0	0	0	0
3543	1	423	0	0	0	0	0	0	29	336
3546	1	423	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	2	399	3	238
3556	0	0	0	0	0	0	0	0	0	0
3558	5	99	0	0	0	0	0	0	2	335
3559	1	22	0	0	0	0	0	0	1	203
3562	0	0	0	0	0	0	0	0	3	378
3564	0	0	0	0	0	0	0	0	2	215
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	1	58
3577	5	16	0	0	0	0	0	0	1	36
3578	0	0	0	0	0	0	0	0	0	0
3579	2	54	0	0	17	143	0	0	0	0
4000	0	0	0	0	0	0	1	29	3	72
5000	100	83	0	0	0	0	105	165	1009	61
CUT MO.	116	1207	0	0	184	1714	131	2341	1099	5080
CUT YTD	4444	4135	22	38	1300	10276	1109	6086	4120	40623
1010	10	20	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	2	3	1	29
3583	3	3	0	0	16	9	10	14	62	7
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	0	0	3	16	0	0	0	0
3587	0	0	0	0	17	160	15	191	1	11
3588	0	0	0	0	0	0	0	0	2	27
3589	0	0	0	0	0	0	0	0	0	0
3591	0	0	0	0	0	0	11	240	1	53
3592	0	0	0	0	0	0	3	15	4	47
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	2	760
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	0	0	0	0	1	2955	1	364
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	1	22	0	0	0	0	0	0	4	719
FRM MO.	14	45	0	0	36	185	42	3418	78	2017
FRM YTD	48	1325	48	488	551	2238	535	6002	1000	12603
TOT MO.	130	1252	0	0	220	1899	173	5759	1177	7097
TOT YTD	4492	5460	70	526	1851	12514	1644	12088	5120	53226

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	9	1780	0	0	0	0	0	0
3035	0	0	1	256	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	14	796	1	117	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	1	98	7	1301	0	0	0	0	0	0
3411	7	620	6	1685	0	0	0	0	0	0
3412	0	0	3	2210	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	1	24	2	614	0	0	0	0	0	0
3419	0	0	9	723	0	0	0	0	0	0
3422	0	0	0	0	0	0	1	19	0	0
3423	1	276	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	5	23	13	111	0	0	21	201	0	0
3464	2	81	22	947	0	0	0	0	0	0
3466	0	0	2	42	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	111	1205	1	7	0	0	2	20	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	1	207	0	0	0	0	0	0
3483	1	18	15	182	0	0	1	20	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	20	345	16	194	0	0	0	0	0	0
3508	0	0	1	182	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	37	577	0	0	0	0	0	0	91	584
3513	0	0	0	0	0	0	0	0	0	0
3514	4	270	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	65	0	0	0	0	0	0	12	43
3505	1	103	0	0	0	0	0	0	0	0
3519	2	10	0	0	0	0	0	0	0	0
3522	17	179	1	143	0	0	8	127	0	0
3527	1	7	2	1244	0	0	0	0	0	0
3528	0	0	1	29	0	0	0	0	0	0
3529	9	134	33	612	0	0	2	17	0	0
3533	7	68	3	332	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	1	34	0	0	0	0	0	0
3543	0	0	32	689	0	0	2	8	0	0
3546	0	0	6	2754	0	0	0	0	0	0
3554	0	0	1	23	0	0	0	0	0	0
3556	0	0	2	606	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	14	373	16	773	0	0	4	50	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	1	37	0	0	0	0	0	0
3567	0	0	1	110	0	0	0	0	0	0
3571	2	501	2	47	0	0	0	0	0	0
3576	0	0	6	1024	0	0	0	0	0	0
3577	2	9	67	227	5	13	17	120	0	0
3578	0	0	1	3	0	0	0	0	0	0
3579	25	219	101	975	0	0	30	1089	0	0
4000	31	245	18	118	0	0	20	125	0	0
5000	228	208	496	142	16	27	824	206	0	0
CUT MO.	544	6454	900	20480	21	40	932	2002	103	627
CUT YTD	7331	47262	7944	151212	242	1140	5889	10644	470	2555
1010	11	87	7	5	0	0	9	414	0	0
3582	1	13	6	33	0	0	20	605	0	0
3583	2	1	197	259	0	0	20	27	0	0
3584	0	0	8	183	0	0	0	0	0	0
3586	1	50	6	53	0	0	3	133	0	0
3587	0	0	5	46	0	0	1	148	0	0
3588	0	0	1	17	0	0	4	61	0	0
3589	0	0	0	0	0	0	8	214	0	0
3591	1	4	0	0	0	0	0	0	0	0
3592	8	124	6	380	0	0	38	511	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	1	15	1	8	0	0	2	14	0	0
3595	0	0	0	0	0	0	2	159	0	0
3596	2	77	8	289	0	0	17	87	6	6323
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	7	136	17	709	0	0	16	306	0	0
FRM MO.	34	507	262	1982	0	0	140	2679	6	6323
FRM YTD	679	9500	2862	29305	0	0	1088	25319	22	6389
TOT MO.	578	6961	1162	22462	21	40	1072	4681	109	6950
TOT YTD	8010	56762	10806	180517	242	1140	6977	35963	492	8944

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

	CHINA		ISRAEL		JAPAN		KOREAN REP.		SINGAPORE	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	124	9526	0	0	3	132
3406	0	0	0	0	12	1238	0	0	0	0
3409	0	0	0	0	39	6606	1	52	0	0
3411	0	0	0	0	19	3043	0	0	0	0
3412	0	0	0	0	27	17215	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	1	200	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	18	478	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	4	26	0	0	0	0	0	0	0	0
3342	0	0	0	0	2	68	0	0	0	0
3464	0	0	0	0	6	740	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	4	104	0	0	0	0
3468	2	8	0	0	1	49	0	0	0	0
3469	0	0	0	0	2	323	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	9	148	0	0	0	0
3504	0	0	0	0	4	444	0	0	0	0
3506	0	0	0	0	255	17728	3	121	7	65
3508	0	0	0	0	35	5510	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	16	77	0	0	6	255	39	248	6	69
3513	0	0	0	0	4	283	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	2	271	0	0	0	0
3505	0	0	0	0	23	3454	0	0	0	0
3519	0	0	0	0	7	580	0	0	0	0
3522	0	0	0	0	11	597	12	74	0	0
3527	0	0	0	0	5	14	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	9	28	0	0	30	212	0	0	0	0
3533	0	0	0	0	2	113	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	1	61	0	0	31	294
3543	1	11	0	0	32	386	0	0	0	0
3546	0	0	0	0	10	2328	0	0	0	0
3554	3	25	0	0	2	157	0	0	0	0
3556	0	0	0	0	1	6	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	17	553	0	0	0	0
3562	0	0	0	0	70	5317	0	0	0	0
3564	0	0	0	0	7	590	0	0	0	0
3567	0	0	0	0	13	1599	0	0	0	0
3571	0	0	0	0	7	1851	0	0	0	0
3576	0	0	0	0	5	377	0	0	0	0
3577	0	0	4	176	19	960	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	45	2992	0	0	0	0
4000	0	0	0	0	12	187	0	0	10	11
5000	6259	353	0	0	9546	1020	0	0	0	0
CUT MO.	6294	528	4	176	10435	87583	55	495	57	571
CUT YTD	22997	3370	280	984	41871	489503	1427	6673	470	4303
1010	0	0	0	0	8	1175	0	0	0	0
3582	0	0	0	0	9	138	0	0	0	0
3583	10	16	0	0	593	67	0	0	4	1
3584	0	0	0	0	23	2495	0	0	0	0
3586	0	0	0	0	9	179	0	0	2	20
3587	0	0	0	0	0	0	0	0	0	0
3588	0	0	0	0	16	1053	0	0	0	0
3589	0	0	0	0	14	487	0	0	2	26
3591	0	0	0	0	1	3	0	0	0	0
3592	0	0	0	0	22	733	0	0	0	0
3593	0	0	0	0	2	58	0	0	0	0
3594	0	0	0	0	15	1570	0	0	0	0
3595	0	0	0	0	1	1977	0	0	0	0
3596	0	0	0	0	41	1815	0	0	0	0
3597	0	0	0	0	1	83	0	0	0	0
3598	0	0	0	0	2	248	0	0	0	0
3599	0	0	0	0	99	2699	0	0	0	0
FRM MO.	10	16	0	0	856	14780	0	0	8	47
FRM YTD	22	137	54	840	3218	128542	47	145	293	1093
TOT MO.	6304	544	4	176	11291	102363	55	495	65	618
TOT YTD	23019	3507	334	1824	45089	618045	1474	6818	763	5396

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
JULY 1988

	TAIWAN		AUSTRALIA		ALL OTHERS	
674:	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0
3035	0	0	0	0	0	0
3045	0	0	0	0	0	0
3404	14	702	0	0	0	0
3406	0	0	0	0	0	0
3409	2	80	0	0	0	0
3411	0	0	0	0	0	0
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	0	0	0	0	0	0
3422	0	0	0	0	0	0
3423	12	42	0	0	0	0
3328	0	0	0	0	0	0
3329	0	0	0	0	0	0
3334	3	12	0	0	1	5
3336	1	7	0	0	0	0
3342	0	0	0	0	1	13
3464	6	201	0	0	0	0
3466	0	0	0	0	0	0
3467	154	780	0	0	1	12
3468	22	140	0	0	2	21
3469	40	440	0	0	3	61
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	0	0
3483	0	0	1	15	1	115
3504	0	0	0	0	0	0
3506	45	1733	0	0	0	0
3508	2	80	0	0	0	0
3510	0	0	0	0	0	0
3512	160	1033	0	0	29	377
3513	0	0	0	0	0	0
3514	0	0	0	0	0	0
3515	4	41	0	0	0	0
3516	0	0	0	0	0	0
3518	2	12	0	0	0	0
3505	0	0	0	0	0	0
3519	0	0	0	0	0	0
3522	0	0	1	34	1	22
3527	10	108	0	0	0	0
3528	0	0	0	0	0	0
3529	31	132	0	0	0	0
3533	0	0	0	0	0	0
3539	0	0	0	0	0	0
3541	23	96	0	0	0	0
3543	112	565	0	0	4	183
3546	0	0	0	0	0	0
3554	1	9	0	0	0	0
3556	0	0	0	0	0	0
3558	0	0	0	0	0	0
3559	15	116	0	0	4	11
3562	0	0	0	0	0	0
3564	0	0	12	132	0	0
3567	0	0	0	0	0	0
3571	0	0	0	0	0	0
3576	0	0	0	0	0	0
3577	71	326	0	0	0	0
3578	0	0	0	0	0	0
3579	2	31	0	0	1	179
4000	7	15	1	14	8	40
5000	48519	5074	13	22	2538	91
CUT MO.	49258	11775	28	217	2594	1130
CUT YTD	387358	73646	257	1120	49570	6026
1010	0	0	0	0	0	0
3582	6	76	0	0	0	0
3583	456	144	0	0	38	36
3584	0	0	0	0	0	0
3586	0	0	0	0	2	36
3587	0	0	0	0	0	0
3588	0	0	0	0	2	101
3589	12	39	0	0	1	12
3591	0	0	0	0	0	0
3592	0	0	0	0	11	158
3593	0	0	0	0	0	0
3594	1	97	0	0	0	0
3595	1	11	0	0	0	0
3596	4	98	0	0	4	124
3597	0	0	0	0	0	0
3598	3	33	0	0	0	0
3599	0	0	0	0	0	0
FRM MO.	483	498	0	0	58	467
FRM YTD	6104	3802	5	208	476	2774
TOT MO.	49741	12273	28	217	2652	1597
TOT YTD	393462	77448	262	1328	50046	8800

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
JULY 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	7	330	0	0	7	330
EAST GERMANY	6	92	0	0	6	92
FINLAND	1	13	27	256	28	269
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	2	101	2	101
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
IRELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	5	19	0	0	5	19
POLAND	28	372	0	0	28	372
ROMANIA	0	0	0	0	0	0
USSR	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	47	826	29	357	76	1183
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	10	34	10	34
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP.	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
MEXICO	2520	92	19	76	2539	168
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	2520	92	29	110	2549	202
OTHER SOUTH AMERICA						
ARGENTINA	0	0	0	0	0	0
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
JULY 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	21	185	0	0	21	185
INDIA	4	6	0	0	4	6
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	25	191	0	0	25	191
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP. S. AFRICA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	2	21	0	0	2	21
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	2	21	0	0	2	21

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING. 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES.

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

RELEASED: OCTOBER 28, 1988

		TOTAL YTD		TOTAL MO.	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3020	Gear Hobbers & Shapers	63	4745	1	106
3045	Gear Cutting Machines, N.E.C.	39	10588	12	4301
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	72	5038	5	523
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	10	2533	2	805
3209	Horizontal Machining Centers, ATC, NC	19	3738	10	1289
3211	Machining Centers, NC, N.E.C.	47	3671	6	479
3216	Single Station and Multi-Station Transfer Machines	17	10597	3	1153
3225	Way Type Machines (Unit Heads)	5	415	0	0
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	2	692	0	0
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	2	492	0	0
3247	Vertical Boring-Drilling-Milling Machines, NC	3	1269	0	0
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	3	538	0	0
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	18	972	7	315
3254	Drilling Machines, NC	16	1911	4	1153
3255	Drilling Machines, Multi-Spindle, Non-NC	14	1442	3	526
3256	Drilling Machines, Radial, Non-NC	14	558	1	5
3257	Drilling Machines, Upright, Single Spindle, Non-NC	9	273	1	3
3258	Drilling Machines, Non-NC, N.E.C.	61	1446	13	95
3264	Milling Machines, NC	10	2990	0	0
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	26	2970	1	24
3267	Milling Machines, Knee Type, Non-NC	2	88	0	0
3268	Milling Machines, Bed Type, Non-NC	1	54	0	0
3269	Milling Machines, Non-NC, N.E.C.	113	6253	23	1332
3276	Vertical Boring Machines, Incl. VTLs, NC	1	610	1	610
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	55	2377	0	0
3281	Boring Machines NC, N.E.C.	3	210	0	0
3283	Boring Machines, Non-NC, N.E.C.	74	3547	1	58
3503	Horizontal Lathes, Multi-Spindle, NC	28	5861	0	0
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	81	5925	16	1124
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	19	2904	2	197
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	6	1990	1	504
3510	Horizontal Engine & Toolroom Lathes, Non-NC	59	2073	17	686
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	18	2024	3	271
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	7	505	1	27
3515	Automatic Bar Machines, Single-Spindle, Non-NC	18	195	1	4
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	31	1164	0	0
3518	Horizontal Lathes, Non-NC, N.E.C.	222	5671	49	740
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	3	438	0	0
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	4	183	0	0
3525	Vertical Lathes, Excl. VTLs, Non-NC	60	3012	16	775
3528	Grinding, Polishing, Honing & Lapping Machines, NC	172	28374	57	6313
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	36	1270	3	58
3531	Tool & Cutter Grinding Machines, Non-NC	225	3884	20	264
3532	Honing & Lapping Machines, Non-NC	334	4071	24	512
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	97	1720	20	537
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	187	11360	52	2693
3541	External Grinding Machines, Non-NC	11	1509	1	566
3542	Internal Grinding Machines, Non-NC	24	4724	2	239
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	152	7773	18	896
3546	Grinding Machines, Non-NC, N.E.C.	175	6302	20	538
3547	Traveling Wire Electrical Discharge Machines	3	190	0	0
3549	All Other Electrical Discharge Machines	133	1678	29	687
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	6	307	1	89
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	59	2490	4	196
3559	Metal Cutting Machine Tools, NC, N.E.C.	79	3421	5	348
3565	Sawing & Cut-Off Machines, Non-NC	341	4856	51	926
3566	Broaching Machines, Non-NC	7	1120	0	0
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	165	4608	11	552
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	3737	33424	665	5364
5000	Metal Cutting Machine Tools, Less Than $2500**	17762	9391	2306	1094
	TOTAL CUTTING			3489	38972
	TOTAL CUTTING YTD	24960	234390		
674:	METAL FORMING				
1011	Die Casting Machines & Parts	0	12207	0	4074
3568	Metal Forming Machine Tools, Used Or Rebuilt	632	8495	119	1845
3569	Metal Forming Machine Tools, Less Than $2500	4136	2506	482	270
3571	Punching & Shearing Machines, Incl. Combination, NC	59	9891	4	512
3573	Shearing Machines, Non-NC	76	1837	16	472
3575	Punching & Combination Punching & Shearing Machines, Non-NC	528	13585	77	1848
3578	Bending, Folding, Straightening & Flattening Machines, NC	74	3225	3	83
3582	Press Brakes, Non-NC	58	3151	14	691
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	9	1171	0	0
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	601	18547	62	1437
3588	Mechanical Presses	173	17020	14	1949
3589	Hydraulic Presses, Vertical, Single Action	68	3318	2	100
3590	Hydraulic & Pneumatic Presses	723	34307	98	5570
3594	Headers & Upsetters, Non-NC	57	12705	10	1092
3595	Forging Machines, Non-NC, N.E.C.	71	1624	23	356
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	684	40387	118	8352
	TOTAL FORMING			1042	28650
	TOTAL FORMING YTD	7949	183957		
	TOTAL ALL TYPES			4531	67622
	TOTAL ALL TYPES YTD	32909	418347		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554.

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	4	405	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	1	113	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	4	154	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	6	324	2	130	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	2	239	0	0
3544	0	0	0	0	0	0	6	41	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	9	303	0	0	13	32	0	0
5000	0	0	0	0	0	0	21	13	0	0
CUT MO.	6	324	15	838	0	0	47	592	0	0
CUT YTD	84	784	179	3492	4	376	333	4467	11	540
1011	0	6	0	0	0	0	0	9	0	0
3568	0	0	0	0	0	0	21	255	2	49
3569	0	0	17	14	0	0	41	10	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	1	53	0	0
3575	0	0	0	0	0	0	2	187	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	1	26	2	78	0	0
3588	0	0	0	0	0	0	1	411	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	1	5	0	0
3598	0	0	0	0	0	0	11	159	0	0
FRM MO.	0	6	17	14	1	26	80	1252	2	49
FRM YTD	1	106	118	945	11	217	381	6071	16	462
TOT MO.	6	330	32	852	1	26	127	1844	2	49
TOT YTD	85	890	297	4437	15	593	714	10538	27	1002

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	3	13	0	0	2	17	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	3	321	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	2	256	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	1	4	0	0	1	10	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	14	466	8	19	0	0	1	9	0	0
5000	8	13	14	8	0	0	1	2	13	20
CUT MO.	27	1056	26	44	0	0	5	38	13	20
CUT YTD	381	5534	179	1451	4	21	228	1340	129	1353
1011	0	20	0	19	0	0	0	0	0	3
3568	0	0	0	0	0	0	0	0	0	0
3569	4	4	22	3	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	1	19	0	0	2	86	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	2	100	2	12	0	0	3	34	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	5	151	0	0	0	0	0	0	0	0
3598	2	38	3	72	0	0	10	1034	0	0
FRM MO.	13	313	28	125	0	0	15	1154	0	3
FRM YTD	98	4779	112	2526	1	50	71	4597	78	967
TOT MO.	40	1369	54	169	0	0	20	1192	13	23
TOT YTD	479	10313	291	3977	5	71	299	5937	207	2320

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	1	143	0	0	6	993	0	0
3204	0	0	1	118	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	1	198	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	2	477	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	1	5	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	1	53	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	7	368	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	3	16	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	1	27	0	0	0	0	0	0
3515	0	0	1	4	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	4	55	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	8	302	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	1	23	0	0
3529	0	0	0	0	0	0	1	24	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	2	43	0	0	1	13	1	11
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	1	60	0	0
3541	0	0	1	566	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	2	277	0	0
3546	0	0	2	19	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	6	288	0	0	1	2	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	2	169	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	1	18	2	230	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	2	14	0	0	0	0	0	0
4000	0	0	10	98	0	0	7	33	0	0
5000	16	6	125	103	51	31	80	69	0	0
CUT MO.	25	326	175	2994	51	31	100	1494	1	11
CUT YTD	166	1993	1754	15630	59	992	878	10413	2	85
1011	0	8	0	167	0	0	0	887	0	2
3568	1	396	5	250	0	0	0	0	0	0
3569	0	0	8	7	0	0	44	10	0	0
3571	0	0	1	94	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	4	85	0	0	11	176	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	4	86	0	0	5	49	0	0
3588	0	0	0	0	0	0	2	772	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	1	168	0	0	3	166	0	0
3594	0	0	0	0	0	0	1	110	0	0
3595	0	0	1	9	0	0	0	0	0	0
3598	1	4	5	70	0	0	5	149	0	0
FRM MO.	2	408	29	936	0	0	71	2319	0	2
FRM YTD	40	1324	237	7700	2	52	1040	15450	4	635
TOT MO.	27	734	204	3930	51	31	171	3813	1	13
TOT YTD	206	3317	1991	23330	61	1044	1918	25863	6	720

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	OTH. EUROPE		CANADA		MEXICO		OTH. N & C		ARGENTINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	1	106	0	0	0	0
3045	4	3112	0	0	1	53	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	1	350	0	0	0	0
3209	0	0	8	526	0	0	0	0	0	0
3211	0	0	0	0	1	20	0	0	0	0
3216	0	0	1	799	2	354	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	28	5	44	0	0	0	0
3254	0	0	1	152	0	0	0	0	0	0
3255	0	0	1	48	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	1	3	0	0	0	0	0	0
3258	0	0	1	4	10	35	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	1	24	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	14	200	6	985	1	18	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	1	58	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	3	219	0	0	0	0	0	0
3507	0	0	2	197	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	2	44	0	0	0	0	0	0
3511	0	0	0	0	2	42	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	6	30	15	242	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	6	73	0	0	0	0
3528	27	3468	3	87	21	2245	0	0	0	0
3529	0	0	0	0	2	34	0	0	0	0
3531	0	0	7	48	3	24	0	0	0	0
3532	0	0	0	0	3	187	0	0	0	0
3533	0	0	3	40	0	0	0	0	0	0
3538	0	0	0	0	3	139	0	0	1	115
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	3	33	1	13	0	0	0	0
3546	1	306	10	129	3	57	2	10	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	6	60	4	28	0	0	1	3
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	4	68	0	0	0	0	0	0
3565	0	0	22	267	12	105	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	6	5	304	0	0	0	0
4000	1	670	16	413	276	886	14	60	0	0
5000	44	67	1428	297	125	114	7	4	0	0
CUT MO.	77	7623	1544	3698	510	6522	24	92	2	118
CUT YTD	243	9203	7992	39654	3841	40180	292	631	121	991
1011	0	138	0	669	0	110	0	16	0	0
3568	0	0	48	220	22	291	0	0	13	195
3569	0	0	46	26	82	83	88	35	0	0
3571	0	0	3	418	0	0	0	0	0	0
3573	0	0	7	165	1	16	0	0	0	0
3575	0	0	9	83	8	169	0	0	0	0
3578	0	0	1	48	1	20	0	0	0	0
3582	0	0	9	45	3	399	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	2	11	22	586	3	25	4	52	0	0
3588	0	0	2	65	2	24	0	0	0	0
3589	0	0	0	0	2	100	0	0	0	0
3590	0	0	3	97	60	1279	0	0	0	0
3594	1	81	0	0	0	0	0	0	0	0
3595	0	0	6	74	6	45	1	20	0	0
3598	0	0	16	507	3	38	0	0	1	29
FRM MO.	3	230	172	3003	193	2599	93	123	14	224
FRM YTD	82	1627	2367	29598	1423	18320	127	888	40	816
TOT MO.	80	7853	1716	6701	703	9121	117	215	16	342
TOT YTD	325	10830	10359	69252	5264	58500	419	1519	161	1807

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TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	BRAZIL		COLOMBIA		VENEZUELA		OTH. S. AM.		CHINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	1	455
3209	0	0	0	0	0	0	0	0	1	565
3211	0	0	0	0	0	0	0	0	1	250
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	1	243	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	1	16
3276	0	0	0	0	0	0	0	0	1	610
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0		0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	1	8	9	271	0	0	0	0
3511	0	0	0	0	0	0	0	0	1	229
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	1	3	5	61	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	1	277	0	0	0	0
3528	0	0	0	0	0	0	0	0	4	136
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	1	8	0	0	0	0
3532	2	59	0	0	0	0	0	0	2	43
3533	0	0	0	0	0	0	0	0	4	52
3538	31	973	0	0	0	0	0	0	1	465
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	1	7	0	0
3546	0	0	0	0	0	0	2	17	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	1	18	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	258	1606	21	105	2	529
5000	0	0	20	30	31	74	6	12	51	11
CUT MO.	33	1032	22	41	307	2558	30	141	70	3361
CUT YTD	110	3848	145	1589	2618	10134	179	1041	298	14008
1011	0	5	0	2	0	0	0	30	0	1328
3568	0	0	0	0	3	21	0	0	0	0
3569	0	0	12	14	49	41	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	16	0	0	4	47	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3588	0	0	0	0	1	179	0	0	1	50
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	1	363	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	18	4364	2	29	3	470	0	0	0	0
FRM MO.	20	4748	14	45	60	758	0	30	1	1378
FRM YTD	59	8557	43	690	201	5084	29	432	49	4276
TOT MO.	53	5780	36	86	367	3316	30	171	71	4739
TOT YTD	169	12405	188	2279	2819	15218	208	1473	347	18284

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	6	537
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	1	504
3510	0	0	0	0	0	0	0	0	2	347
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	3	34
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	1	354
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	1	4	1	4	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	1	25	1	120
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	2	403
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	4	9	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	1	280
3565	1	17	2	39	0	0	0	0	5	169
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	2	179
4000	1	2	0	0	0	0	2	4	5	27
5000	16	14	20	13	0	0	0	0	58	20
CUT MO.	22	42	22	52	1	4	4	33	87	2974
CUT YTD	211	1734	155	2505	27	293	100	3465	1207	15010
1011	0	0	0	0	0	0	0	0	0	3
3568	0	0	0	0	0	0	0	0	1	30
3569	0	0	0	0	0	0	0	0	60	8
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	4	135
3575	2	9	1	10	0	0	1	81	5	188
3578	0	0	0	0	0	0	0	0	1	15
3582	0	0	0	0	0	0	1	240	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	4	28
3588	0	0	0	0	0	0	0	0	2	48
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	2	1183
3594	0	0	0	0	0	0	0	0	7	538
3595	0	0	0	0	0	0	0	0	3	52
3598	11	195	4	85	0	0	0	0	6	237
FRM MO.	13	204	5	95	0	0	2	321	95	2465
FRM YTD	101	3164	29	1324	6	285	16	2131	342	22076
TOT MO.	35	246	27	147	1	4	6	354	182	5439
TOT YTD	312	4898	184	3829	33	578	116	5596	1549	37086

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	KOREAN REP.		PAKISTAN		S. ARABIA		SINGAPORE		TAIWAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	2	119	1	64	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	2	478
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	1	3	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	4	46	0	0	0	0	10	255	1	14
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	1	123	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	1	9	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	1	14	1	14
3533	10	194	0	0	0	0	0	0	3	251
3538	1	13	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	1	117
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	2	4
3551	1	89	0	0	0	0	0	0	0	0
3553	1	14	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	1	13	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	1	49
4000	4	64	0	0	0	0	2	35	0	0
5000	46	30	0	0	27	22	6	6	37	29
CUT MO.	72	714	1	64	27	22	20	313	48	956
CUT YTD	562	23468	73	578	217	472	910	3572	426	5441
1011	0	87	0	0	0	0	0	38	0	188
3568	0	0	0	0	0	0	1	17	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	2	113	0	0	0	0	2	7	1	359
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	1	7
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	1	73	1	90	1	10
3588	1	129	0	0	2	271	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	4	869	0	0	0	0	0	0	2	51
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	6	127	0	0	2	59	0	0	3	395
FRM MO.	13	1325	0	0	5	403	4	152	8	1010
FRM YTD	157	12219	5	131	25	570	128	1503	82	7998
TOT MO.	85	2039	1	64	32	425	24	465	56	1966
TOT YTD	719	35687	78	709	242	1042	1038	5075	508	13439

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	1	26	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	1	524	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	3	529	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	2	13	0	0	0	0
3532	0	0	1	21	0	0	2	29	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	1	8	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	2	5	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	3	37	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	1	13	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	1	21	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	1	3	0	0	0	0
5000	0	0	7	5	14	20	0	0	0	0
CUT MO.	3	529	8	26	23	133	3	37	0	0
CUT YTD	45	2766	191	1371	190	2267	72	149	1	4
1011	0	0	0	315	0	3	0	21	0	0
3568	0	0	2	121	0	0	0	0	0	0
3569	0	0	3	3	6	12	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	2	8	1	50	0	0	0	0
3575	0	0	17	165	4	48	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	30	1	10	3	137	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	8	884	13	119	2	754	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	3	133	1	35	0	0	0	0
FRM MO.	9	914	41	874	17	1039	0	21	0	0
FRM YTD	20	1522	205	5724	172	5845	10	1745	0	0
TOT MO.	12	1443	49	900	40	1172	3	58	0	0
TOT YTD	65	4288	396	7095	362	8112	82	1894	1	4

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
JULY 1988

	EGYPT		REP. S. AFR		OTH. AFRICA	
674:	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	0	0	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	3	48	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	0	0	0	0
3565	0	0	0	0	1	15
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	0	0	0	0
5000	3	2	27	51	4	8
CUT MO.	3	2	30	99	5	23
CUT YTD	4	229	327	1211	12	149
1011	0	0	0	0	0	0
3568	0	0	0	0	0	0
3569	0	0	0	0	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	0	0	0	0	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	0	0	0	0
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	0	0	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	1	5	1	78
FRM MO.	0	0	1	5	1	78
FRM YTD	0	9	12	63	9	1498
TOT MO.	3	2	31	104	6	101
TOT YTD	4	238	339	1274	21	1647

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMNS
JULY 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	0	0	0	0	0	0
EAST GERMANY	0	0	0	0	0	0
FINLAND	34	91	2	134	36	225
GIBRALTAR	0	0	0	0	0	0
GREECE	34	3440	0	0	34	3440
HUNGARY	5	3418	0	0	5	3418
ICELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	3	4	0	0	3	4
PORTUGAL	1	670	1	96	2	766
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	77	7623	3	230	80	7853
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	1	18	0	0	1	18
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	4	9	88	35	92	44
DOMINICAN REP.	0	0	3	65	3	65
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	2	10	0	0	2	10
HONDURAS	1	13	0	0	1	13
JAMAICA	0	0	1	7	1	7
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	1	4	1	4	2	8
SALVADOR	3	7	0	12	3	19
TRINIDAD	12	31	0	0	12	31
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	24	92	93	123	117	215
OTHER SOUTH AMERICA						
BOLIVIA	0	0	0	0	0	0
CHILE	7	28	0	0	7	28
ECUADOR	2	23	0	3	2	26
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	1	2	0	0	1	2
PERU	17	64	0	27	17	91
SURINAM	0	0	0	0	0	0
URAGUAY	3	24	0	0	3	24
OTHER S. AM.	0	0	0	0	0	0
TOTAL	30	141	0	30	30	171
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
JULY 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	1	21	0	0	1	21
BAHRAIN	0	0	0	0	0	0
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	1	105	1	105
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	1	5	1	5
MALAYSIA	0	0	17	325	17	325
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	7	5	22	439	29	444
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	8	26	41	874	49	900
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	1	15	0	0	1	15
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	1	78	1	78
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	4	8	0	0	4	8
TOTAL	5	23	1	78	6	101

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED.
3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING.

A8620-3 [redacted]

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL
No. 144-88 November 11, 1988

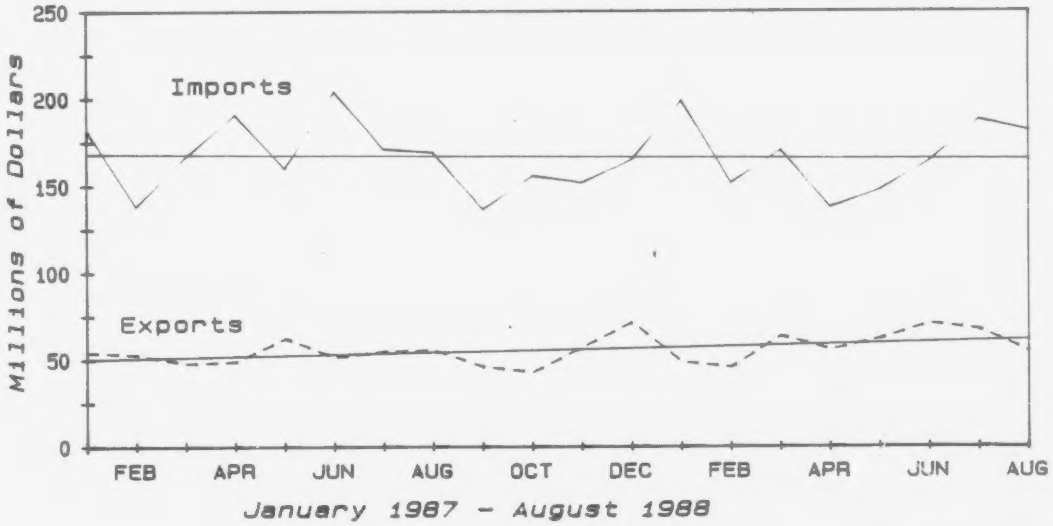
U.S. FOREIGN TRADE IN MACHINE TOOLS - AUGUST 1988

Year-to-date U.S. machine tool exports are up 10% compared with the first eight months of 1987, to $473.4 million. U.S. imports are down 3% from the same period last year to $1,341.3 million. Imports of machine tools in August fell 4% from their July 1988 level, while exports declined 19% compared with last month. The resulting machine tool trade deficit was $126.4 million for August, bringing the eight month total trade deficit to $867.9 million, down 9% from the same period last year.

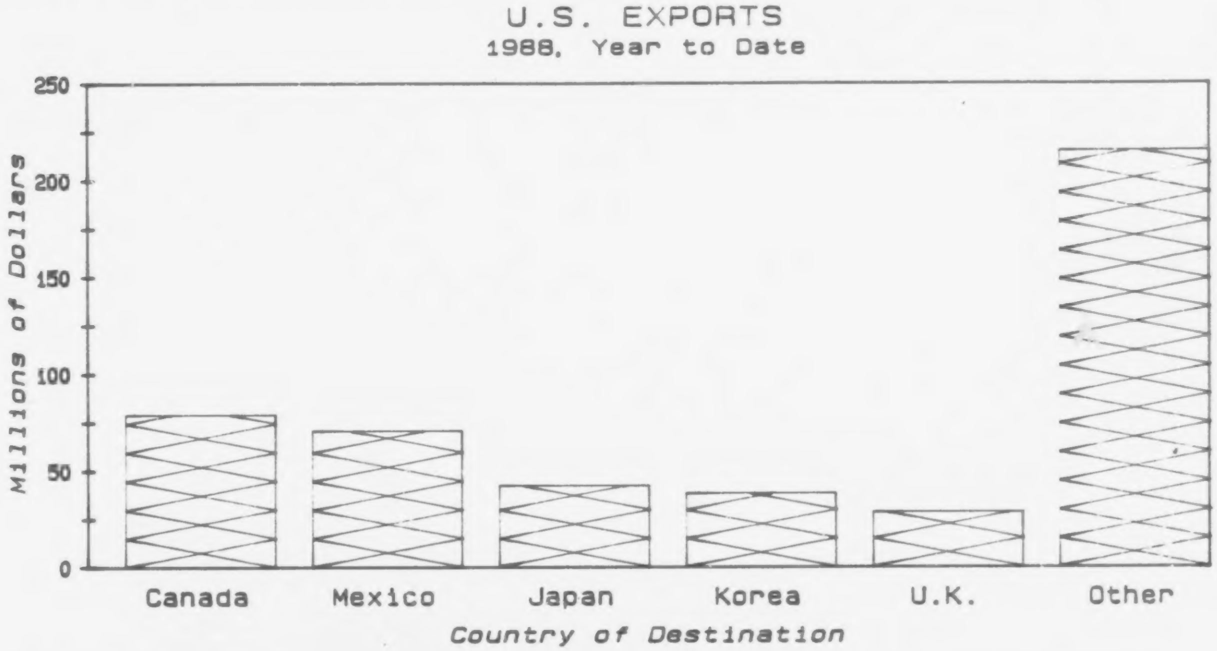
U.S. Machine Tool Trade
($Millions)

	August 1988			Eight Month Total		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$30.4	$140.2	($109.8)	$264.8	$ 1,035.9	($771.1)
Metal Forming	$24.6	$ 41.2	($ 16.6)	$208.6	$ 305.4	($ 96.8)
Total	$55.0	$181.4	($126.4)	$473.4	$1,341.3	($867.9)

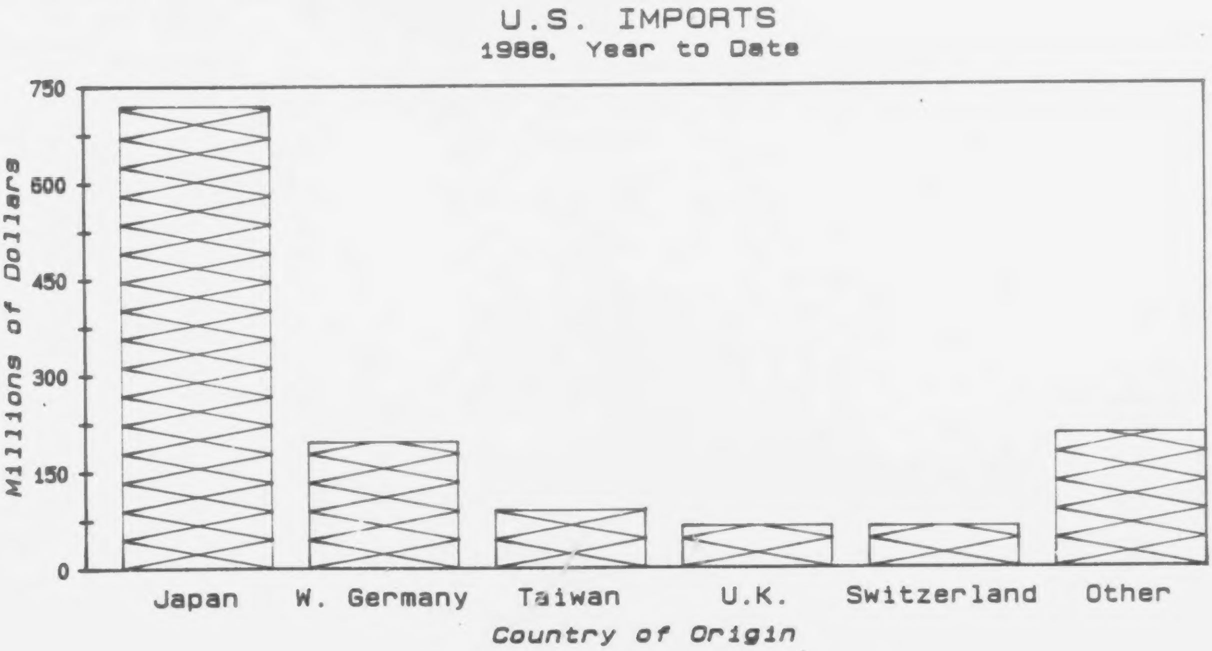
U.S. FOREIGN TRADE -- TOTAL MACHINE TOOLS
Monthly Totals



U.S. exports of metal cutting machines are up 4% in 1988, compared with the first eight months of 1987, while exports of metal forming machinery are 18% above last year's level. In August, metal cutting machine tool exports fell 22% compared to last month's total, and metal forming exports dropped 14%. For January through August 1988, the leading export markets were (in millions): Canada ($78.9), Mexico ($70.6), Japan ($42.2), the Korean Republic ($38.2) and the United Kingdom ($28.4).



U.S. imports of metal cutting machine tools fell 6% during August, while metal forming imports increased 8% above their July 1988 level. Metal cutting machinery imports increased 2% from their year-to-date 1987 level, while imports of metal forming machinery declined 18%. The leading exporters to the U.S. during the first eight months of 1988 were (in millions): Japan ($719.1), West Germany ($196.6), Taiwan ($89.6), the United Kingdom ($64.6) and Switzerland ($63.4).



ES, I1, I2

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

RELEASED: NOVEMBER 11, 1988

		TOTAL YTD		TOTAL MO.	
674: METAL CUTTING		UNITS	$000	UNITS	$000
3025	Gear Hobbers	53	8151	7	1096
3035	Gear Shapers	10	2466	1	308
3045	Gear Cutting Machines, N.E.C.	24	1305	1	5
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1148	89139	133	10907
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	82	8583	27	2545
3409	Horizontal Machining Centers, ATC, NC	511	79966	78	13934
3411	Machining Centers, NC, N.E.C.	235	45464	33	3582
3412	Single Station and Multi-Station Transfer Machines	161	58954	9	2995
3413	Way Type Machines, (Unit Heads)	0	0	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	5	1149	0	0
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	35	4613	6	843
3419	Vertical Boring-Drilling-Milling Machines, NC	85	9455	5	624
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	10	1539	3	197
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	126	4134	32	1103
3328	Drilling Machines, NC	190	7059	38	1312
3329	Drilling Machines, Multi-Spindle, Non-NC	56	881	18	447
3334	Drilling Machines, Radial, Non-NC	101	603	26	139
3336	Drilling Machines, Upright, Single Spindle, Non-NC	101	821	10	114
3342	Drilling Machines, Non-NC, N.E.C.	390	12197	80	1198
3464	Milling Machines, NC	244	22669	39	2501
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	23	1084	7	620
3467	Milling Machines, Knee Type, Non-NC	2111	12959	239	1598
3468	Milling Machines, Bed Type, Non-NC	263	10059	52	886
3469	Milling Machines, Non-NC, N.E.C.	1674	27661	178	1743
3476	Vertical Boring Machines, Incl. VTL's, NC	8	1591	0	0
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	34	1262	5	108
3481	Boring Machines, NC, N.E.C.	10	2350	5	1236
3483	Boring Machines, Non-NC N.E.C.	271	6661	32	1348
3504	Horizontal Lathes, Multi-Spindle, NC	97	12017	14	2629
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	2280	143997	285	19106
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	304	37386	45	5718
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	44	3123	2	580
3512	Horizontal Engine & Toolroom Lathes, Non-NC	1950	16821	264	3996
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	21	534	14	96
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	12	1145	0	0
3515	Automatic Bar Machines, Single Spindle, Non-NC	93	2728	0	0
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	40	1683	4	120
3518	Horizontal Lathes, Non-NC, N.E.C.	174	3749	14	344
3505	Vertical Lathes, Multi-Spindle, NC	53	6522	5	823
3519	Vertical Lathes, NSPF, NC	111	10099	29	2903
3522	Vertical Lathes, Excl. VTL's, Non-NC	773	15926	148	3063
3527	Gear Tooth Grinding & Finishing Machines	409	18698	37	3124
3528	Tool & Cutter Grinding Machines, NC	48	1643	0	0
3529	Tool & Cutter Grinding Machines, Non-NC	809	24619	103	1431
3533	Honing & Lapping Machines	247	14068	16	258
3539	Grinding Machines, Flat Surface, NC	38	4091	2	966
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	475	7405	59	1443
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	1572	17771	185	2468
3546	Grinding & Polishing Machines, NC, N.E.C.	126	18219	13	1797
3554	External Grinding Machines, Non-NC	255	8997	38	1184
3556	Internal Grinding Machines, Non-NC	36	3115	4	381
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	109	4202	22	1700
3559	Grinding Machines, Non-NC, N.E.C.	824	25249	112	6658
3562	Traveling Wire Electrical Discharge Machines	568	41623	75	6501
3564	All Other Electrical Discharge Machines	245	11610	35	1209
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	77	10136	11	1622
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	562	5998	51	247
3576	Metal Cutting Machines Tools, NC, N.E.C.	175	11725	22	1654
3577	Sawing & Cut-Off Machines, Non-NC	1189	15938	215	2602
3578	Broaching Machines, Non-NC	113	1958	2	369
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	1149	31605	147	3472
4000	Metal Cutting Machine Tools, Used or Rebuilt*	1198	11464	62	966
5000	Metal Cutting Machine Tools, Less Than $2500**	617090	65248	82426	9410
	TOTAL CUTTING			85525	140239
	TOTAL CUTTING YTD	641227	1035882		
674: METAL FORMING					
1010	Die Casting Machines	311	23515	17	2010
3582	Metal Forming Machine Tools, Used or Rebuilt	381	3953	47	359
3583	Metal Forming Machine Tools, Less Than $2500	18175	7557	3044	1046
3584	Punching and Shearing Machines, Incl. Combination, NC	194	21518	19	2468
3586	Shearing Machines, Non-NC	444	8159	67	767
3587	Punching & Combination Punching & Shearing Machines, Non-NC	376	8087	48	1320
3588	Bending, Folding, Straightening & Flattening Machines, NC	194	12434	18	1582
3589	Press Brakes, Non-NC	387	11074	47	2110
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	75	1271	5	102
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	820	27381	118	3326
3593	Metal Forming Machine Tools, NC, N.E.C.	32	21997	2	1198
3594	Mechanical Presses, Non-NC	306	41687	15	7920
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	40	3649	5	22
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	673	43875	50	8411
3597	Headers & Upsetters, Non-NC	59	6218	26	1132
3598	Forging Machines, Non-NC, N.E.C.	90	13864	29	1677
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	1739	49174	175	5732
	TOTAL FORMING			3732	41181
	TOTAL FORMING YTD	24296	305417		
	TOTAL ALL TYPES			89257	181420
	TOTAL ALL TYPES YTD	665523	1341299		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461, 3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	8	613	0	0
3411	1	46	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	3	1748
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	2	133
3423	5	68	0	0	0	0	0	0	1	635
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	1	44
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	0	0	2	80	19	211
3464	0	0	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	0	0	2	67	0	0	0	0	18	138
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	5	108
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	17	551
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	1	79	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	2	123
3505	0	0	0	0	0	0	0	0	0	0
3519	2	85	0	0	0	0	0	0	0	0
3522	9	347	0	0	0	0	0	0	3	341
3527	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	1	32
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	2	966
3541	0	0	0	0	0	0	0	0	7	192
3543	2	33	0	0	0	0	3	11	4	114
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	4	149
3559	0	0	4	17	10	64	0	0	11	539
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	12	279	0	0
3567	0	0	0	0	0	0	0	0	1	354
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	3	29	0	0	0	0	3	68	38	143
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	0	0	1	4	1	40
4000	0	0	0	0	0	0	0	0	4	21
5000	13	24	0	0	17	24	410	235	377	219
CUT MO.	35	632	6	84	27	88	440	1369	521	6801
CUT YTD	9366	5986	273	1261	380	1021	3211	7898	6400	28870
1010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	1	5	0	0
3583	53	6	12	25	1	2	85	86	106	10
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	11	224	0	0	0	0	0	0
3587	0	0	0	0	0	0	0	0	9	861
3588	0	0	0	0	0	0	0	0	6	719
3589	0	0	8	791	0	0	0	0	0	0
3591	0	0	0	0	0	0	0	0	2	27
3592	0	0	6	506	1	35	2	58	37	712
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	5	22	0	0	0	0
3596	0	0	0	0	0	0	0	0	4	1113
3597	0	0	20	121	0	0	0	0	2	157
3598	0	0	0	0	0	0	0	0	2	340
3599	0	0	12	414	2	118	0	0	19	221
FRM MO.	53	6	69	2081	9	177	88	149	187	4160
FRM YTD	102	238	881	10393	63	679	957	3908	1915	24876
TOT MO.	88	638	75	2165	36	265	528	1518	708	10961
TOT YTD	9468	6224	1154	11654	443	1700	4168	11806	8315	53746

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	1	59	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	3	95	0	0	0	0
3411	0	0	0	0	1	41	0	0	1	347
3412	0	0	0	0	0	0	0	0	4	1020
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	13	79	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	12	68	2	9	0	0	0	0
3464	0	0	0	0	1	30	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	123	677	0	0	0	0
3468	1	101	0	0	7	295	0	0	0	0
3469	0	0	0	0	15	480	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	1	191
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	1	365	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	1	30	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	3	86	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	2	302
3519	0	0	0	0	2	126	0	0	0	0
3522	0	0	0	0	4	144	0	0	0	0
3527	0	0	0	0	0	0	0	0	13	1701
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	1	7	0	0	20	210
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	0	0	0	0	0	0	3	548
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	6	459
3556	0	0	0	0	0	0	0	0	0	0
3558	6	227	0	0	0	0	0	0	5	886
3559	0	0	0	0	3	237	1	318	4	243
3562	0	0	0	0	3	163	0	0	9	1005
3564	0	0	0	0	0	0	0	0	4	360
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	2	33	1	218	1	379
3577	11	102	1	19	0	0	0	0	1	19
3578	0	0	0	0	0	0	0	0	1	254
3579	0	0	0	0	0	0	0	0	4	161
4000	0	0	0	0	0	0	1	2	3	29
5000	117	118	0	0	1871	54	110	142	199	33
CUT MO.	138	634	13	87	2054	2924	113	680	281	8147
CUT YTD	4582	4769	35	125	3354	13200	1222	6766	4401	48770
1010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	1	4	1	16
3583	173	90	0	0	20	29	38	14	95	9
3584	0	0	0	0	0	0	0	0	2	315
3586	0	0	2	27	0	0	1	46	0	0
3587	0	0	0	0	14	138	3	47	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3591	0	0	0	0	0	0	2	61	0	0
3592	0	0	0	0	0	0	3	23	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	3	29	0	0	4	1990	0	0
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	2	1003
3599	2	44	0	0	1	71	2	5	20	715
FRM MO.	175	134	5	56	35	238	54	2190	120	2058
FRM YTD	223	1459	53	544	586	2476	589	8192	1120	14661
TOT MO.	313	768	18	143	2089	3162	167	2870	401	10205
TOT YTD	4805	6228	88	669	3940	15676	1811	14958	5521	63431

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	4	609	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	9	849	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	2	126	0	0	0	0	0	0	0	0
3411	3	256	2	388	0	0	1	75	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	1	24	1	25	0	0	0	0	2	410
3419	0	0	4	435	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	1	143	1	172	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	7	344	0	0	0	0	0	0
3334	0	0	1	3	0	0	0	0	1	8
3336	0	0	4	33	0	0	0	0	0	0
3342	6	166	2	74	0	0	1	219	0	0
3464	13	505	3	327	0	0	0	0	0	0
3466	1	98	0	0	0	0	0	0	0	0
3467	0	0	2	14	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	60	252	15	103	0	0	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	1	83	0	0	0	0	0	0
3483	1	337	2	62	0	0	7	85	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	31	325	4	878	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	6	18
3510	0	0	0	0	0	0	0	0	0	0
3512	72	847	1	1311	0	0	0	0	39	193
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	1	34	0	0	0	0	0	0
3518	7	50	0	0	0	0	0	0	0	0
3505	0	0	2	48	0	0	0	0	0	0
3519	0	0	1	468	0	0	1	98	0	0
3522	20	173	2	84	0	0	4	101	0	0
3527	0	0	4	315	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	14	387	20	355	0	0	2	39	0	0
3533	12	52	1	4	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	1	80	0	0	0	0	0	0
3543	7	70	13	450	0	0	0	0	0	0
3546	0	0	4	27	0	0	0	0	0	0
3554	1	19	13	198	0	0	1	13	0	0
3556	0	0	4	381	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	2	75	17	1795	0	0	4	23	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	2	11	5	240	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	2	71	4	69	0	0	0	0	0	0
3576	0	0	3	236	0	0	0	0	0	0
3577	9	40	33	471	9	26	4	46	0	0
3578	1	115	0	0	0	0	0	0	0	0
3579	18	551	38	415	0	0	21	484	0	0
4000	21	93	14	241	0	0	9	96	0	0
5000	265	280	3157	167	6	11	159	75	0	0
CUT MO.	581	5915	3391	10939	15	37	214	1354	48	629
CUT YTD	7912	53177	11335	162151	257	1177	6103	11998	518	3184
1010	1	78	1	7	0	0	9	179	0	0
3582	5	19	2	138	0	0	15	121	0	0
3583	22	25	499	117	0	0	39	27	0	0
3584	0	0	9	1225	0	0	0	0	0	0
3586	41	192	0	0	0	0	7	209	0	0
3587	0	0	11	156	0	0	0	0	0	0
3588	0	0	2	286	0	0	0	0	0	0
3589	0	0	0	0	0	0	11	410	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	4	420	8	242	0	0	32	631	0	0
3593	0	0	1	385	0	0	1	813	0	0
3594	0	0	1	818	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	1	65	3	142	0	0	12	59	0	0
3597	0	0	1	25	0	0	0	0	0	0
3598	1	17	1	8	0	0	0	0	0	0
3599	9	1143	52	1623	0	0	24	555	0	0
FRM MO.	84	1959	591	5172	0	0	150	3004	0	0
FRM YTD	763	11459	3453	34477	0	0	1238	28323	22	6389
TOT MO.	665	7874	3982	16111	15	37	364	4358	48	629
TOT YTD	8675	64636	14788	196628	257	1177	7341	40321	540	9573

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

	CHINA		ISRAEL		JAPAN		KOREAN REP.		SINGAPORE	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	3	487	0	0	0	0
3035	0	0	0	0	1	308	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	106	9504	0	0	14	392
3406	0	0	0	0	20	2113	0	0	0	0
3409	0	0	0	0	60	12768	4	229	0	0
3411	5	75	2	170	12	1886	5	298	0	0
3412	0	0	0	0	2	227	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	2	384	0	0	0	0
3419	0	0	0	0	1	189	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	32	1143	0	0	0	0
3329	0	0	0	0	10	59	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	33	157	0	0	0	0
3464	0	0	0	0	10	1161	0	0	0	0
3466	0	0	0	0	3	208	0	0	0	0
3467	0	0	0	0	4	91	0	0	0	0
3468	20	97	0	0	23	384	0	0	0	0
3469	0	0	0	0	2	65	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	4	1153	0	0	0	0
3483	0	0	0	0	1	9	0	0	0	0
3504	0	0	0	0	14	2629	0	0	0	0
3506	0	0	0	0	230	17243	9	420	7	73
3508	0	0	0	0	37	5256	0	0	0	0
3510	0	0	0	0	2	580	0	0	0	0
3512	3	24	0	0	10	286	14	111	15	147
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	1	115	0	0	0	0
3505	0	0	0	0	1	473	0	0	0	0
3519	0	0	0	0	7	1634	16	492	0	0
3522	38	147	0	0	19	1246	9	273	0	0
3527	0	0	0	0	19	954	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	8	25	0	0	8	222	0	0	0	0
3533	0	0	0	0	2	199	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	10	656	0	0	40	363
3543	0	0	0	0	53	632	0	0	0	0
3546	0	0	0	0	9	1770	0	0	0	0
3554	0	0	0	0	8	394	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	5	424	0	0	0	0
3559	2	55	0	0	28	3089	0	0	0	0
3562	0	0	0	0	62	5314	0	0	0	0
3564	0	0	0	0	5	232	0	0	0	0
3567	0	0	0	0	10	1268	0	0	0	0
3571	0	0	0	0	45	107	0	0	0	0
3576	0	0	0	0	15	788	0	0	0	0
3577	0	0	4	176	38	1095	1	33	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	54	1583	0	0	0	0
4000	0	0	0	0	7	464	0	0	0	0
5000	3976	295	14	2	14070	1893	50	11	0	0
CUT MO.	4052	718	20	348	15098	82842	108	1867	76	975
CUT YTD	27049	4088	300	1332	56969	572345	1535	8540	546	5278
1010	0	0	0	0	6	1746	0	0	0	0
3582	0	0	0	0	20	50	0	0	0	0
3583	0	0	0	0	438	233	0	0	0	0
3584	0	0	0	0	8	928	0	0	0	0
3586	0	0	0	0	2	17	0	0	0	0
3587	0	0	0	0	1	11	0	0	0	0
3588	0	0	0	0	10	577	0	0	0	0
3589	0	0	0	0	23	835	0	0	3	61
3591	0	0	0	0	1	14	0	0	0	0
3592	0	0	5	38	18	641	1	9	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	8	6840	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	0	0	21	4778	0	0	0	0
3597	0	0	0	0	3	829	0	0	0	0
3598	0	0	0	0	1	125	0	0	0	0
3599	0	0	0	0	13	599	14	48	0	0
FRM MO.	0	0	5	38	573	18223	15	57	3	61
FRM YTD	22	137	59	878	3791	146765	62	202	296	1154
TOT MO.	4052	718	25	386	15671	101065	123	1924	79	1036
TOT YTD	27071	4225	359	2210	60760	719110	1597	8742	842	6432

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
AUGUST 1988

	TAIWAN		AUSTRALIA		ALL OTHERS	
674:	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0
3035	0	0	0	0	0	0
3045	0	0	0	0	1	5
3404	3	103	0	0	0	0
3406	7	432	0	0	0	0
3409	1	103	0	0	0	0
3411	0	0	0	0	0	0
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	0	0	0	0	0	0
3422	0	0	0	0	1	64
3423	24	85	0	0	0	0
3328	6	169	0	0	0	0
3329	0	0	0	0	0	0
3334	10	44	0	0	1	5
3336	6	81	0	0	0	0
3342	3	214	0	0	0	0
3464	11	458	1	20	0	0
3466	3	314	0	0	0	0
3467	110	816	0	0	0	0
3468	1	9	0	0	0	0
3469	61	564	0	0	5	74
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	0	0
3483	0	0	0	0	3	113
3504	0	0	0	0	0	0
3506	3	110	0	0	1	57
3508	0	0	0	0	0	0
3510	0	0	0	0	0	0
3512	84	550	0	0	25	497
3513	14	96	0	0	0	0
3514	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	3	18	0	0	1	38
3505	0	0	0	0	0	0
3519	0	0	0	0	0	0
3522	2	9	5	18	33	180
3527	0	0	0	0	1	154
3528	0	0	0	0	0	0
3529	23	133	5	17	1	4
3533	0	0	0	0	1	3
3539	0	0	0	0	0	0
3541	1	152	0	0	0	0
3543	98	588	0	0	2	22
3546	0	0	0	0	0	0
3554	7	50	0	0	2	51
3556	0	0	0	0	0	0
3558	2	14	0	0	0	0
3559	24	195	0	0	2	8
3562	1	19	0	0	0	0
3564	1	18	6	69	0	0
3567	0	0	0	0	0	0
3571	0	0	0	0	0	0
3576	0	0	0	0	0	0
3577	60	335	0	0	0	0
3578	0	0	0	0	0	0
3579	4	62	1	154	5	18
4000	0	0	0	0	3	20
5000	53881	5589	1	1	3733	237
CUT MO.	54454	11330	19	279	3821	1550
CUT YTD	441812	84976	276	1399	53391	7576
1010	0	0	0	0	0	0
3582	0	0	2	6	0	0
3583	1392	292	0	0	71	81
3584	0	0	0	0	0	0
3586	0	0	0	0	3	52
3587	6	88	0	0	4	19
3588	0	0	0	0	0	0
3589	2	13	0	0	0	0
3591	0	0	0	0	0	0
3592	1	11	0	0	0	0
3593	0	0	0	0	0	0
3594	6	262	0	0	0	0
3595	0	0	0	0	0	0
3596	0	0	0	0	2	235
3597	0	0	0	0	0	0
3598	22	184	0	0	0	0
3599	0	0	0	0	5	176
FRM MO.	1429	850	2	6	85	563
FRM YTD	7533	4652	7	214	561	3337
TOT MO.	55883	12180	21	285	3906	2113
TOT YTD	449345	89628	283	1613	53952	10913

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
AUGUST 1988

OTHER EUROPE

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	13	144	0	0	13	144
EAST GERMANY	5	126	2	163	7	289
FINLAND	2	68	25	272	27	340
GIBRALTAR	0	0	0	0	0	0
GREECE	1	4	0	0	1	4
HUNGARY	1	154	0	0	1	154
ICELAND	0	0	0	0	0	0
IRELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	0	0	2	6	2	6
POLAND	21	484	0	0	21	484
ROMANIA	0	0	0	0	0	0
USSR	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	43	980	29	441	72	1421

OTHER NORTH AND CENTRAL AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP.	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
MEXICO	2998	214	34	113	3032	327
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	2998	214	34	113	3032	327

OTHER SOUTH AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ARGENTINA	0	0	0	0	0	0
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

OTHER OCEANIA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN

THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
AUGUST 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	125	8	19	7	144	15
INDIA	46	263	3	2	49	265
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	608	82	0	0	608	82
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	779	353	22	9	801	362
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP. S. AFRICA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	1	3	0	0	1	3
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	1	3	0	0	1	3

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING. 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT INSURANCE, COMMISSIONS OR IMPORT DUTIES.

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

RELEASED: NOVEMBER 11, 1988

		TOTAL YTD		TOTAL MO.	
674: METAL CUTTING		UNITS	$000	UNITS	$000
3020	Gear Hobbers & Shapers	70	5704	7	959
3045	Gear Cutting Machines, N.E.C.	44	11487	5	899
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	78	5786	6	748
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	10	2533	0	0
3209	Horizontal Machining Centers, ATC, NC	22	3871	3	133
3211	Machining Centers, NC, N.E.C.	55	4423	8	752
3216	Single Station and Multi-Station Transfer Machines	18	10849	1	252
3225	Way Type Machines (Unit Heads)	6	611	1	196
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	2	692	0	0
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	3	715	1	223
3247	Vertical Boring-Drilling-Milling Machines, NC	3	1269	0	0
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	4	564	1	26
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	25	1135	7	163
3254	Drilling Machines, NC	36	3299	20	1388
3255	Drilling Machines, Multi-Spindle, Non-NC	17	1507	3	65
3256	Drilling Machines, Radial, Non-NC	14	558	0	0
3257	Drilling Machines, Upright, Single Spindle, Non-NC	10	276	1	3
3258	Drilling Machines, Non-NC, N.E.C.	67	1492	6	46
3264	Milling Machines, NC	12	3135	2	145
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	27	2979	1	9
3267	Milling Machines, Knee Type, Non-NC	2	88	0	0
3268	Milling Machines, Bed Type, Non-NC	8	570	7	516
3269	Milling Machines, Non-NC, N.E.C.	126	6998	13	745
3276	Vertical Boring Machines, Incl. VTLs, NC	2	840	1	230
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	57	3146	2	769
3281	Boring Machines, NC, N.E.C.	3	210	0	0
3283	Boring Machines, Non-NC, N.E.C.	80	3708	6	161
3503	Horizontal Lathes, Multi-Spindle, NC	38	8897	10	3036
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	87	6343	6	418
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	19	2904	0	0
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	6	1990	0	0
3510	Horizontal Engine & Toolroom Lathes, Non-NC	64	2168	5	95
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	18	2024	0	0
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	8	578	1	73
3515	Automatic Bar Machines, Single-Spindle, Non-NC	23	270	5	75
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	36	1401	5	237
3518	Horizontal Lathes, Non-NC, N.E.C.	246	5877	24	206
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	3	438	0	0
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	5	222	1	39
3525	Vertical Lathes, Excl. VTLs, Non-NC	76	3874	16	862
3528	Grinding, Polishing, Honing & Lapping Machines, NC	180	29981	8	1607
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	37	1296	1	26
3531	Tool & Cutter Grinding Machines, Non-NC	267	4382	42	498
3532	Honing & Lapping Machines, Non-NC	373	4594	39	523
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	105	1813	8	93
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	226	13377	39	2017
3541	External Grinding Machines, Non-NC	12	1746	1	237
3542	Internal Grinding Machines, Non-NC	26	5076	2	352
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	160	8102	8	329
3546	Grinding Machines, Non-NC, N.E.C.	209	7490	34	1188
3547	Traveling Wire Electrical Discharge Machines	4	217	1	27
3549	All Other Electrical Discharge Machines	151	1868	18	190
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	9	461	3	154
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	64	2592	5	102
3559	Metal Cutting Machine Tools, NC, N.E.C.	89	4423	10	1002
3565	Sawing & Cut-Off Machines, Non-NC	396	5819	55	963
3566	Broaching Machines, Non-NC	10	1895	3	775
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	182	4930	17	322
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	4235	38770	498	5346
5000	Metal Cutting Machine Tools, Less Than $2500**	19462	10589	1700	1198
	TOTAL CUTTING			2667	30411
	TOTAL CUTTING YTD	27627	264802		
674: METAL FORMING					
1011	Die Casting Machines & Parts	0	13891	0	1684
3568	Metal Forming Machine Tools, Used Or Rebuilt	706	9977	74	1482
3569	Metal Forming Machine Tools, Less Than $2500	4479	2786	343	280
3571	Punching & Shearing Machines, Incl. Combination, NC	68	11839	9	1948
3573	Shearing Machines, Non-NC	89	2383	13	546
3575	Punching & Combination Punching & Shearing Machines, Non-NC	630	16169	102	2584
3578	Bending, Folding, Straightening & Flattening Machines, NC	82	3592	8	367
3582	Press Brakes, Non-NC	64	3481	6	330
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	10	1226	1	55
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	688	23174	87	4627
3588	Mechanical Presses	198	18097	25	1077
3589	Hydraulic Presses, Vertical, Single Action	77	3738	9	420
3590	Hydraulic & Pneumatic Presses	829	38565	106	4258
3594	Headers & Upsetters, Non-NC	64	13339	7	634
3595	Forging Machines, Non-NC, N.E.C.	113	2403	42	779
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	798	43945	114	3558
	TOTAL FORMING			946	24628
	TOTAL FORMING YTD	8895	208585		
	TOTAL ALL TYPES			3613	55039
	TOTAL ALL TYPES YTD	36522	473387		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554.

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	1	80	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	2	528	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	0	0	1	13	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	2	4	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	87	0	0	0	0	0	0
4000	0	0	3	53	0	0	4	125	0	0
5000	0	0	4	3	0	0	41	28	0	0
CUT MO.	0	0	9	223	3	17	47	681	0	0
CUT YTD	84	784	188	3715	7	393	380	5148	11	540
1011	0	0	0	0	0	0	0	24	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	28	24	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	1	112	0	0	0	0	0	0
3575	0	0	7	88	0	0	2	131	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	2	45	0	0
3588	0	0	1	17	0	0	1	233	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	2	361	0	0
FRM MO.	0	0	37	241	0	0	7	794	0	0
FRM YTD	1	106	155	1186	11	217	388	6865	16	462
TOT MO.	0	0	46	464	3	17	54	1475	0	0
TOT YTD	85	890	343	4901	18	610	768	12013	27	1002

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	1	26	0	0	0	0	0	0	0	0
3531	0	0	3	18	0	0	0	0	0	0
3532	11	111	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	5	108	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	1	25	1	2	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	1	334	2	32
3565	0	0	2	78	0	0	1	16	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	2	13
4000	3	25	30	240	0	0	0	0	26	607
5000	0	0	0	0	0	0	38	24	15	10
CUT MO.	21	295	36	336	0	0	40	374	45	662
CUT YTD	402	5829	215	1789	4	21	268	1714	174	2015
1011	0	0	0	5	0	0	0	0	0	97
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	8	124	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	4	36	0	0	0	0	5	90	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	2	9	4	99	0	0	0	0	0	0
FRM MO.	6	45	12	228	0	0	5	90	0	97
FRM YTD	104	4824	124	2754	1	50	76	4687	78	1064
TOT MO.	27	340	48	566	0	0	45	464	45	759
TOT YTD	506	10653	339	4543	5	71	344	6401	252	3079

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	1	356	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	17	795	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	1	45	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	7	516	0	0	0	0	0	0
3269	1	18	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	3	191	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	1	3	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	6	0	0	0	0	3	53	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	2	116	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	9	212	0	0
3532	0	0	5	83	0	0	3	25	0	0
3533	0	0	5	66	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	2	352	0	0	0	0	0	0
3544	0	0	0	0	0	0	1	10	0	0
3546	0	0	1	3	0	0	1	17	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	2	4	0	0	2	3	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	1	30	0	0	0	0	0	0
3565	0	0	1	126	5	100	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	4	29	37	142	0	0	21	81	0	0
5000	13	4	80	63	0	0	91	95	0	0
CUT MO.	19	57	165	2535	5	100	132	852	0	0
CUT YTD	185	2050	1919	18165	64	1092	1010	11265	2	85
1011	0	4	0	362	0	0	0	5	0	0
3568	0	0	2	70	0	0	0	0	0	0
3569	0	0	38	42	0	0	6	2	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	1	5	0	0
3575	1	14	1	12	0	0	1	126	0	0
3578	0	0	1	16	0	0	4	257	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	1	55	0	0	0	0	0	0
3584	0	0	1	17	0	0	13	105	0	0
3588	0	0	2	52	0	0	5	189	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	1	60	41	1796	0	0	3	187	0	0
3594	0	0	0	0	0	0	1	62	0	0
3595	0	0	1	13	0	0	0	0	0	0
3598	0	0	3	120	0	0	2	398	0	0
FRM MO.	2	78	91	2555	0	0	36	1336	0	0
FRM YTD	42	1402	328	10255	2	52	1076	16786	4	635
TOT MO.	21	135	256	5090	5	100	168	2188	0	0
TOT YTD	227	3452	2247	28420	66	1144	2086	28051	6	720

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	OTH. EUROPE		CANADA		MEXICO		OTH. N & C		ARGENTINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	3	256	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	1	120	0	0	0	0	0	0
3216	0	0	0	0	1	252	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	1	223	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	29	6	134	0	0	0	0
3254	0	0	3	593	0	0	0	0	0	0
3255	0	0	1	20	2	45	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	4	16	1	20	1	10	0	0
3264	0	0	1	100	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	8	84	1	16	0	0
3276	0	0	1	230	0	0	0	0	0	0
3277	0	0	1	23	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	1	12	4	117	0	0	0	0
3503	0	0	0	0	10	3036	0	0	0	0
3505	0	0	2	147	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	1	25	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	3	43	0	0	0	0	0	0
3516	0	0	5	237	0	0	0	0	0	0
3518	0	0	1	9	11	84	0	0	1	8
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	1	39	0	0	0	0
3525	0	0	2	172	0	0	1	242	0	0
3528	0	0	1	210	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	18	191	1	7	0	0	0	0
3532	0	0	1	4	5	50	1	6	0	0
3533	0	0	0	0	1	3	0	0	0	0
3538	0	0	2	26	5	30	5	152	0	0
3541	0	0	1	237	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	1	160	14	309	5	42	0	0	0	0
3547	0	0	1	27	0	0	0	0	0	0
3549	0	0	2	28	5	112	0	0	1	2
3551	0	0	1	65	1	35	0	0	1	54
3553	0	0	2	22	3	80	0	0	0	0
3559	0	0	1	20	3	63	0	0	0	0
3565	3	10	23	236	4	39	0	0	2	40
3566	0	0	0	0	1	174	0	0	0	0
3567	0	0	3	19	5	59	0	0	0	0
4000	1	2	28	563	262	1997	2	11	0	0
5000	13	10	595	325	248	191	12	14	0	0
CUT MO.	18	182	725	4537	593	6693	23	451	5	104
CUT YTD	261	9385	8717	44191	4434	46873	315	1082	126	1095
1011	0	70	0	553	0	116	0	21	0	0
3568	0	0	30	232	16	493	9	14	1	15
3569	0	0	80	22	112	152	0	0	0	0
3571	0	0	7	1548	0	0	0	0	0	0
3573	0	0	4	263	0	0	0	0	0	0
3575	4	140	15	394	10	53	2	20	0	0
3578	0	0	1	24	0	0	0	0	0	0
3582	0	0	3	182	2	48	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	7	12	184	13	3423	0	0	0	0
3588	0	0	1	22	6	251	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	2	151	36	771	0	0	0	0
3594	0	0	3	330	0	0	0	0	0	0
3595	2	147	25	177	4	73	1	38	1	24
3598	1	49	20	1052	7	64	0	0	0	0
FRM MO.	8	413	203	5134	206	5444	12	93	2	39
FRM YTD	90	2040	2570	34732	1629	23764	139	981	42	855
TOT MO.	26	595	928	9671	799	12137	35	544	7	143
TOT YTD	351	11425	11287	78923	6063	70637	454	2063	168	1950

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	BRAZIL		COLOMBIA		VENEZUELA		OTH. S. AM.		CHINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	1	212
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	5	210	1	66	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	1	196
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	1	746	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	1	32	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	1	17	0	0	1	25
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	2	32	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	3	15	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	2	21	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	1	522	0	0	0	0	0	0	5	371
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	1	208
3546	0	0	0	0	1	7	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	1	24	1	103	1	13	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	2	6
4000	3	37	8	128	2	13	15	57	2	18
5000	13	19	0	0	53	42	0	0	0	0
CUT MO.	21	631	14	362	60	994	20	117	13	1036
CUT YTD	131	4479	159	1951	2678	11128	199	1158	311	15044
1011	0	32	0	0	0	74	0	4	0	0
3568	0	0	0	0	0	0	1	6	2	273
3569	0	0	0	0	10	3	0	0	0	0
3571	0	0	0	0	1	210	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	1	4	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	16	1	13	0	0	0	0	1	20
3588	1	126	3	50	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	2	280
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	1	39	0	0	0	0	0	0	0	0
3598	1	66	0	0	2	17	0	0	0	0
FRM MO.	4	279	4	63	13	304	2	14	5	573
FRM YTD	63	8836	47	753	214	5388	31	446	54	4849
TOT MO.	25	910	18	425	73	1298	22	131	18	1609
TOT YTD	194	13315	206	2704	2892	16516	230	1604	365	19893

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	7	959	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	4	511
3204	0	0	0	0	0	0	0	0	2	280
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	1	3
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	1	589	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	1	73
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	9	248	0	0	0	0	4	200
3528	0	0	0	0	0	0	0	0	1	173
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	7	43
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	1	7	0	0	0	0	2	125
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	1	2	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	1	10	3	29	2	41	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	40	0	0	0	0	0	0
4000	8	184	2	66	0	0	4	10	4	56
5000	17	12	20	12	0	0	27	17	92	58
CUT MO.	25	196	42	1931	3	29	34	70	118	1522
CUT YTD	236	1930	197	4436	30	322	134	3535	1325	16532
1011	0	0	0	58	0	0	0	9	0	146
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	2	29	0	0	0	0	0	0	27	1118
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	1	100	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	17	5	82	0	0	0	0	9	153
3588	0	0	1	15	0	0	0	0	3	93
3589	0	0	7	140	0	0	0	0	0	0
3590	0	0	1	9	0	0	0	0	20	1262
3594	0	0	0	0	0	0	0	0	2	218
3595	0	0	0	0	0	0	0	0	1	141
3598	45	327	3	116	0	0	0	0	7	466
FRM MO.	48	373	17	420	1	100	0	9	69	3597
FRM YTD	149	3537	46	1744	7	385	16	2140	411	25673
TOT MO.	73	569	59	2351	4	129	34	79	187	5119
TOT YTD	385	5467	243	6180	37	707	150	5675	1736	42205

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	KOREAN REP.		PAKISTAN		S. ARABIA		SINGAPORE		TAIWAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	1	388
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	2	78	0	0	0	0	1	55	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	1	26
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	1	9
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	2	38	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	1	25
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	11	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	2	580	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	6	135	0	0	0	0	0	0	1	18
3533	0	0	0	0	0	0	0	0	2	24
3538	0	0	0	0	0	0	7	526	1	23
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	3	30
3546	8	35	0	0	0	0	0	0	3	615
3547	0	0	0	0	0	0	0	0	0	0
3549	1	8	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	2	29	0	0	0	0	0	0	1	31
3566	0	0	2	601	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	3	98
4000	3	775	0	0	0	0	1	2	1	30
5000	61	56	1	2	0	0	37	24	21	15
CUT MO.	88	1745	3	603	0	0	46	607	40	1332
CUT YTD	650	25213	76	1181	217	472	956	4179	466	6773
1011	0	0	0	0	0	0	0	0	0	29
3568	13	379	0	0	0	0	0	0	0	0
3569	64	31	0	0	0	0	5	4	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	7	166
3575	2	29	0	0	0	0	1	10	1	7
3578	1	55	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	3	118	0	0	0	0	0	0	0	0
3588	0	0	0	0	0	0	1	29	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	1	7	0	0	0	0	1	15	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	6	127	0	0	0	0	0	0	0	0
3598	1	26	2	172	0	0	3	35	0	0
FRM MO.	91	772	2	172	0	0	11	93	8	202
FRM YTD	248	12991	7	303	25	570	139	1596	90	8200
TOT MO.	179	2517	5	775	0	0	57	700	48	1534
TOT YTD	898	38204	83	1484	242	1042	1095	5775	556	14973

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	2	13	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	2	6	0	0	0	0
3532	0	0	4	72	1	6	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	5	127	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	1	3	2	78	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	1	48	0	0	0	0
3565	0	0	2	38	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	1	11	4	15	12	27	0	0	0	0
5000	0	0	16	23	60	51	25	26	0	0
CUT MO.	3	24	32	278	78	216	25	26	0	0
CUT YTD	48	2790	223	1649	268	2483	97	175	1	4
1011	0	0	0	47	0	3	0	22	0	3
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	1	190	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	7	69	3	61	2	9	0	0
3578	0	0	1	15	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	141	3	29	10	76	1	55	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	1	24	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	6	113	3	68	0	0	0	0
FRM MO.	1	141	17	273	18	422	3	86	0	3
FRM YTD	21	1663	222	5997	190	6267	13	1831	0	3
TOT MO.	4	165	49	551	96	638	28	112	0	3
TOT YTD	69	4453	445	7646	458	8750	110	2006	1	7

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
AUGUST 1988

	EGYPT		REP. S. AFR		OTH. AFRICA	
674:	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	0	0	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	1	7	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	0	0	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	1	475	0	0
3565	0	0	0	0	0	0
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	1	2	6	40
5000	35	23	72	51	0	0
CUT MO.	35	23	75	535	6	40
CUT YTD	39	252	402	1746	18	189
1011	0	0	0	0	0	0
3568	0	0	0	0	0	0
3569	0	0	0	0	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	0	0	5	146	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	0	0	0	0
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	0	0	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	0	0	0	0
FRM MO.	0	0	5	146	0	0
FRM YTD	0	9	17	209	9	1498
TOT MO.	35	23	80	681	6	40
TOT YTD	39	261	419	1955	27	1687

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMNS
AUGUST 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	1	160	4	140	5	300
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	0	0	0	0	0	0
EAST GERMANY	0	0	0	0	0	0
FINLAND	3	10	2	70	5	80
GIBRALTAR	0	0	0	0	0	0
GREECE	3	4	0	0	3	4
HUNGARY	0	0	0	0	0	0
ICELAND	1	2	0	0	1	2
MALTA	0	0	0	0	0	0
NORWAY	0	0	2	200	2	200
PORTUGAL	10	6	0	3	10	9
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	18	182	8	413	26	595
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	1	16	0	0	1	16
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	1	6	0	0	1	6
DOMINICAN REP	2	247	1	38	3	285
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	8	6	7	10	15	16
HAITI	0	0	0	19	0	19
HONDURAS	0	0	4	24	4	24
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	1	2	0	0	1	2
PANAMA	3	6	0	0	3	6
SALVADOR	6	162	0	2	6	164
TRINIDAD	1	6	0	0	1	6
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	23	451	12	93	35	544
OTHER SOUTH AMERICA						
BOLIVIA	0	0	0	0	0	0
CHILE	16	89	1	4	17	93
ECUADOR	3	15	0	4	3	19
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	1	13	0	0	1	13
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	1	6	1	6
OTHER S. AM.	0	0	0	0	0	0
TOTAL	20	117	2	14	22	131
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	3	0	3
TOTAL	0	0	0	3	0	3

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
AUGUST 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	3	28	3	28
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	1	3	0	0	1	3
KUWAIT	5	10	0	0	5	10
LEBANON	0	0	0	0	0	0
MALAYSIA	6	17	2	49	8	66
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PHILIPPINES	8	71	3	37	11	108
QATAR	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	12	177	9	159	21	336
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	32	278	17	273	49	551
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	6	40	0	0	6	40
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	6	40	0	0	6	40

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED.
3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING.

A8620-3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL

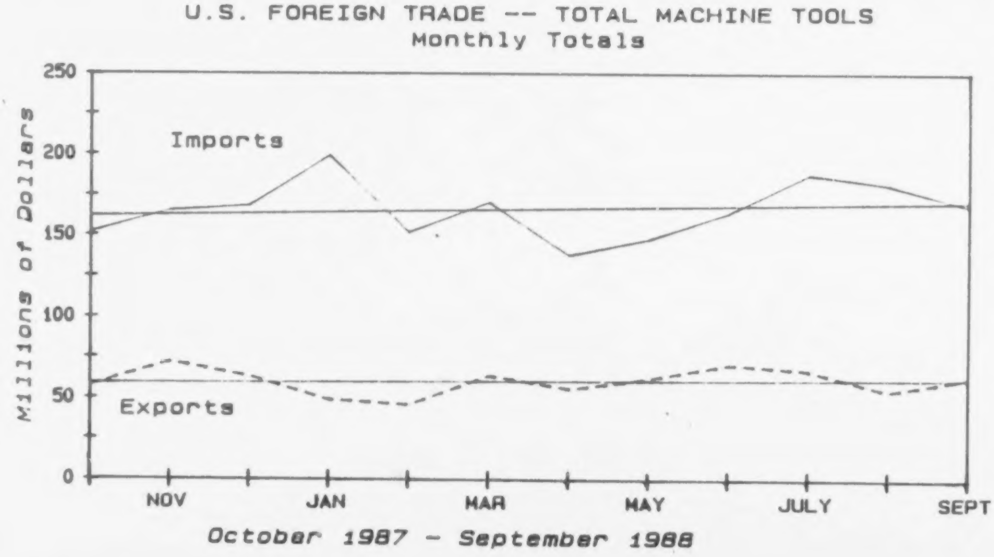
No. 11-89 January 25, 1989

U.S. FOREIGN TRADE IN MACHINE TOOLS - SEPTEMBER 1988

U.S. exports of machine tools were up 12% for the first nine months of 1988, while U.S. imports were down 1%, compared with 1987 year-to-date totals. During the third quarter of 1988, exports fell by 2% versus the second quarter, to $185.9 million, and imports increased by 19% to $538.0 million. The third quarter trade deficit of $352.1 million resulted in a nine month machine tool trade deficit of $973.4 million, 7% below the comparable 1987 figure.

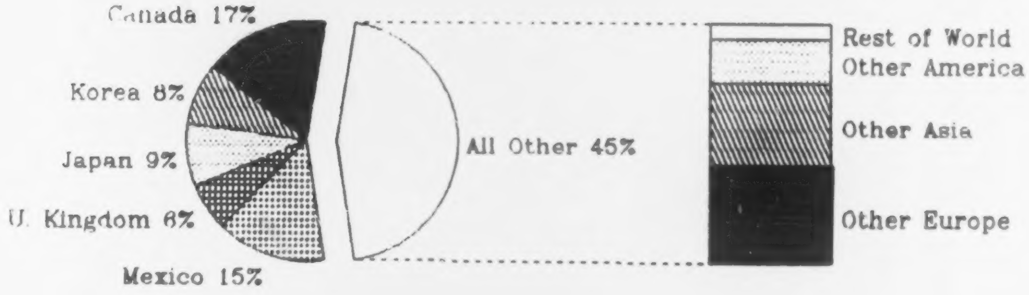
U.S. Machine Tool Trade
($Millions)

	Third Quarter 1988			Nine Month Total		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$101.9	$395.7	($293.8)	$297.2	$1,141.6	($844.4)
Metal Forming	$ 84.0	$142.3	($ 58.3)	$239.2	$ 368.2	($129.0)
Total	$185.9	$538.0	($352.1)	$536.5	$1,509.9	($973.4)


U.S. FOREIGN TRADE -- TOTAL MACHINE TOOLS
Monthly Totals

Compared with the second quarter, third quarter U.S. exports of metal forming machine tools increased 1% and metal cutting exports fell 4%. For the first nine months of 1988, both cutting and forming machine tool exports increased by 6% and 22% respectively, over 1987 figures. For January through September 1988, the leading export markets were (in millions): Canada ($89.7), Mexico ($78.5), Japan ($46.6), the Korean Republic ($44.9) and the United Kingdom ($34.1).

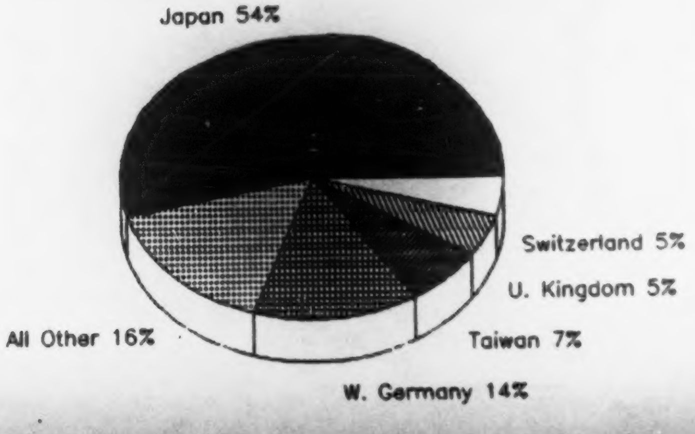
LEADING U.S. EXPORT MARKETS
JANUARY - SEPTEMBER 1988
(% Based on U.S. Dollar Values)



Note: Other America excludes Mexico and Canada; other Asia excludes Japan and Korea; other Europe excludes U. Kingdom

During the third quarter, U.S. imports of metal cutting machine tools increased 12% and metal forming imports jumped 44%. However, year-to-date metal forming imports were down 9% from 1987, while metal cutting imports were up 2%. The leading exporters to the United States during the first nine months of 1988 were (in millions): Japan ($814.9), West Germany ($211.5), Taiwan ($100.6), the United Kingdom ($72.1) and Switzerland ($70.1).

MAJOR U.S. IMPORT SOURCES
JANUARY - SEPTEMBER 1988
(% Based on U.S. Dollar Values)



U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

RELEASED: JANUARY 20, 1989

		TOTAL YTD		TOTAL MO.	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3020	Gear Hobbers & Shapers	77	7034	7	1330
3045	Gear Cutting Machines, N.E.C.	47	11738	3	251
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	82	6145	4	359
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	10	2533	0	0
3209	Horizontal Machining Centers, ATC, NC	28	5353	6	1482
3211	Machining Centers, NC, N.E.C.	75	5696	20	1273
3216	Single Station and Multi-Station Transfer Machines	18	10849	0	0
3225	Way Type Machines (Unit Heads)	7	737	1	126
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	2	692	0	0
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	4	938	1	223
3247	Vertical Boring-Drilling-Milling Machines, NC	9	1449	6	180
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	6	753	2	189
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	31	2015	6	880
3254	Drilling Machines, NC	38	3349	2	50
3255	Drilling Machines, Multi-Spindle, Non-NC	21	1670	4	163
3256	Drilling Machines, Radial, Non-NC	17	623	3	65
3257	Drilling Machines, Upright, Single Spindle, Non-NC	10	276	0	0
3258	Drilling Machines, Non-NC, N.E.C.	89	2395	22	903
3264	Milling Machines, NC	14	4023	2	888
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	31	4795	4	1816
3267	Milling Machines, Knee Type, Non-NC	3	139	1	51
3268	Milling Machines, Bed Type, Non-NC	11	1020	3	450
3269	Milling Machines, Non-NC, N.E.C.	133	7434	7	436
3276	Vertical Boring Machines, Incl. VTLs, NC	2	840	0	0
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	63	3706	6	560
3281	Boring Machines, NC, N.E.C.	5	323	2	113
3283	Boring Machines, Non-NC, N.E.C.	84	3862	4	154
3503	Horizontal Lathes, Multi-Spindle, NC	38	8897	0	0
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	103	7726	16	1383
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	20	3208	1	304
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	7	2144	1	154
3510	Horizontal Engine & Toolroom Lathes, Non-NC	75	2559	11	391
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	19	2119	1	95
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	9	725	1	147
3515	Automatic Bar Machines, Single-Spindle, Non-NC	28	728	5	458
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	36	1401	0	0
3518	Horizontal Lathes, Non-NC, N.E.C.	268	6420	22	543
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	3	438	0	0
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	14	781	9	559
3525	Vertical Lathes, Excl. VTLs, Non-NC	87	4994	11	1120
3528	Grinding, Polishing, Honing & Lapping Machines, NC	192	31529	12	1548
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	39	1357	2	61
3531	Tool & Cutter Grinding Machines, Non-NC	312	4814	45	432
3532	Honing & Lapping Machines, Non-NC	441	5392	68	798
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	130	2104	25	291
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	254	15456	28	2079
3541	External Grinding Machines, Non-NC	14	2247	2	501
3542	Internal Grinding Machines, Non-NC	27	5409	1	333
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	166	8186	6	84
3546	Grinding Machines, Non-NC, N.E.C.	229	8328	20	838
3547	Traveling Wire Electrical Discharge Machines	4	217	0	0
3549	All Other Electrical Discharge Machines	188	2050	37	182
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	10	504	1	43
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	78	3012	14	420
3559	Metal Cutting Machine Tools, NC, N.E.C.	101	5002	12	579
3565	Sawing & Cut-Off Machines, Non-NC	477	7358	81	1539
3566	Broaching Machines, Non-NC	11	1909	1	14
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	204	5348	22	418
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	4900	42676	665	3906
5000	Metal Cutting Machine Tools, Less Than $2500**	22072	11931	2610	1342
	TOTAL CUTTING			3846	32501
	TOTAL CUTTING YTD	31473	297303		
674:	METAL FORMING				
1011	Die Casting Machines & Parts	0	15165	0	1274
3568	Metal Forming Machine Tools, Used Or Rebuilt	837	12053	131	2076
3569	Metal Forming Machine Tools, Less Than $2500	4839	3044	360	258
3571	Punching & Shearing Machines, Incl. Combination, NC	75	12791	7	952
3573	Shearing Machines, Non-NC	102	2921	13	538
3575	Punching & Combination Punching & Shearing Machines, Non-NC	741	17644	111	1475
3578	Bending, Folding, Straightening & Flattening Machines, NC	95	4326	13	734
3582	Press Brakes, Non-NC	83	3735	19	254
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	12	1243	2	17
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	757	26427	69	3253
3588	Mechanical Presses	221	21494	23	3397
3589	Hydraulic Presses, Vertical, Single Action	91	4451	14	713
3590	Hydraulic & Pneumatic Presses	911	42871	82	4306
3594	Headers & Upsetters, Non-NC	69	15884	5	2545
3595	Forging Machines, Non-NC, N.E.C.	129	2930	16	527
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	1031	52280	233	8335
	TOTAL FORMING			1098	30652
	TOTAL FORMING YTD	9993	239236		
	TOTAL ALL TYPES			4944	63153
	TOTAL ALL TYPES YTD	41466	536539		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554.

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE.
SEPTEMBER 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	3	540	1	471
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	3	285	0	0	7	601	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	1	6	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	1	10	0	0	1	15	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	2	159	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	1	2	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	3	277	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	2	12	0	0	8	20	0	0
5000	0	0	8	5	0	0	0	0	11	13
CUT MO.	1	10	16	463	1	15	22	1444	12	484
CUT YTD	85	794	204	4178	8	408	402	6592	23	1024
1011	0	4	0	6	0	0	0	13	0	0
3568	0	0	0	0	0	0	1	8	0	0
3569	0	0	0	0	0	0	48	11	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	7	92	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	1	28	0	0
3588	0	0	0	0	0	0	3	189	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	26	162	0	0	0	0	0	0	1	41
FRM MO.	26	166	0	6	0	0	60	341	1	41
FRM YTD	27	272	155	1192	11	217	448	7206	17	503
TOT MO.	27	176	16	469	1	15	82	1785	13	525
TOT YTD	112	1066	359	5370	19	625	850	13798	40	1527

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	2	45	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	6	180	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	6	144	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	1	190	0	0	0	0	0	0	0	0
3528	1	297	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	2	15	0	0	0	0	0	0	0	0
3532	0	0	1	9	0	0	0	0	1	5
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	3	4	0	0	2	2	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	1	13	0	0
3565	0	0	21	155	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	38	197	3	85	0	0	0	0	0	0
5000	141	61	46	32	0	0	0	0	13	19
CUT MO.	183	760	88	654	0	0	3	15	14	24
CUT YTD	585	6589	303	2443	4	21	271	1729	188	2039
1011	0	12	0	2	0	0	0	0	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	0	0	1	24
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	2	14	1	16
3588	2	399	0	0	0	0	0	0	0	0
3589	1	51	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	1	11	0	0
3594	1	610	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	28	259	0	0	0	0	1	50
FRM MO.	4	1072	28	261	0	0	3	25	3	90
FRM YTD	108	5896	152	3015	1	50	79	4712	81	1154
TOT MO.	187	1832	116	915	0	0	6	40	17	114
TOT YTD	693	12485	455	5458	5	71	350	6441	269	3193

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	1	75	0	0	0	0	0	0
3204	0	0	0	0	0	0	1	21	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	6	730	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	1	19	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	2	1789	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	2	9	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	1	142	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	1	226	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	4	325	0	0	1	455	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	7	37	0	0
3532	10	145	1	45	0	0	27	272	0	0
3533	0	0	5	60	0	0	0	0	0	0
3538	0	0	2	165	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	1	12	0	0	0	0	0	0
3546	0	0	0	0	0	0	1	95	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	10	45	0	0	3	5	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	1	12	0	0	0	0	0	0	0	0
3559	0	0	1	22	0	0	4	45	0	0
3565	0	0	1	18	0	0	2	38	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	36	150	6	61	10	50	0	0
5000	21	8	230	141	1	2	52	34	0	0
CUT MO.	32	165	304	3747	7	63	109	1278	0	0
CUT YTD	217	2215	2223	21912	71	1155	1119	12543	2	85
1011	0	45	0	45	0	0	0	50	0	0
3568	0	0	0	0	0	0	3	58	0	0
3569	0	0	21	18	0	0	0	0	0	0
3571	0	0	3	626	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	3	23	2	19	0	0	5	58	0	0
3578	0	0	6	150	0	0	0	0	0	0
3582	0	0	0	0	0	0	2	12	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	7	187	0	0	1	19	0	0
3588	0	0	1	86	0	0	0	0	1	200
3589	0	0	12	512	0	0	0	0	0	0
3590	0	0	2	35	0	0	10	550	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	2	137	0	0	2	23	0	0
3598	0	0	5	91	0	0	26	577	0	0
FRM MO.	3	68	61	1906	0	0	49	1347	1	200
FRM YTD	45	1470	389	12161	2	52	1125	18133	5	835
TOT MO.	35	233	365	5653	7	63	158	2625	1	200
TOT YTD	262	3685	2612	34073	73	1207	2244	30676	7	920

U S EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	OTH EUROPE		CANADA		MEXICO		OTH N & C		ARGENTINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	2	31	0	0	0	0
3045	0	0	0	0	0	0	1	109	0	0
3204	0	0	0	0	1	58	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	1	369	1	102	0	0	0	0
3211	0	0	1	18	3	165	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	1	126	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	1	223	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	453	5	427	0	0	0	0
3254	0	0	2	50	0	0	0	0	0	0
3255	0	0	4	163	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	3	8	5	230	0	0	0	0
3264	0	0	1	712	0	0	0	0	0	0
3266	0	0	0	0	2	27	0	0	0	0
3267	0	0	1	51	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	1	87	3	47	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	2	494	1	19	1	19	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	2	48	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	1	75	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	3	178	8	213	0	0	0	0
3511	0	0	0	0	1	95	0	0	0	0
3512	0	0	0	0	1	147	0	0	0	0
3515	0	0	3	449	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	1	93	10	99	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	8	333	0	0	0	0
3525	0	0	4	513	1	16	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	1	16	0	0	0	0	0	0
3531	0	0	9	108	9	57	0	0	0	0
3532	2	12	7	62	3	24	0	0	0	0
3533	0	0	0	0	5	55	0	0	0	0
3538	0	0	6	165	13	255	0	0	0	0
3541	0	0	2	501	0	0	0	0	0	0
3542	0	0	0	0	1	333	0	0	0	0
3544	0	0	0	0	2	37	0	0	0	0
3546	0	0	6	418	7	56	0	0	1	31
3547	0	0	0	0	0	0	0	0	0	0
3549	1	2	0	0	9	76	0	0	0	0
3551	0	0	1	43	0	0	0	0	0	0
3553	0	0	1	122	0	0	0	0	0	0
3559	1	85	1	117	1	20	0	0	0	0
3565	0	0	34	341	14	838	0	0	0	0
3566	0	0	0	0	1	14	0	0	0	0
3567	0	0	6	57	0	0	0	0	0	0
4000	34	86	44	391	321	1054	3	10	0	0
5000	14	11	925	351	458	290	50	35	0	0
CUT MO.	52	196	1074	6754	898	5166	55	173	1	31
CUT YTD	313	9581	9791	50945	5332	52039	370	1255	127	1126
1011	0	3	0	331	0	80	0	35	0	0
3568	0	0	17	147	27	419	0	0	0	0
3569	0	0	169	115	102	93	0	0	0	0
3571	0	0	4	326	0	0	0	0	0	0
3573	2	25	5	454	3	18	0	0	0	0
3575	2	12	18	343	11	179	0	0	2	160
3578	0	0	1	139	0	0	0	0	0	0
3582	0	0	17	242	0	0	0	0	0	0
3583	0	0	0	0	2	17	0	0	0	0
3584	12	117	15	789	10	138	1	7	0	0
3588	1	66	0	0	3	41	0	0	2	1245
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	10	561	53	1029	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	12	367	0	0	0	0
3598	0	0	24	541	24	364	3	137	0	0
FRM MO.	17	223	280	3988	247	2745	4	179	4	1405
FRM YTD	107	2263	2850	38720	1876	26509	143	1160	46	2260
TOT MO.	69	419	1354	10742	1145	7911	59	352	5	1436
TOT YTD	420	11844	12641	89665	7208	78548	513	2415	173	3386

U S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	BRAZIL		COLOMBIA		VENEZUELA		OTH S AM		CHINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	3	304	0	0	0	0
3045	0	0	0	0	1	67	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	5	149	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	1	75	0	0	1	114
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	2	54	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	3	450
3269	1	27	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	1	12	0	0	1	16
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	1	25	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	4	320	0	0	1	102	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	28	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	1	18	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	1	47	0	0	0	0	0	0	1	425
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	1	65	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	4	28
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	2	32
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	7	2	13	86	13	44	11	116	37	632
5000	28	37	7	4	190	38	16	11	0	0
CUT MO.	43	290	25	428	211	594	30	319	49	1697
CUT YTD	174	4769	184	2379	2889	11722	229	1477	360	16741
1011	0	32	0	26	0	38	0	3	0	34
3568	0	0	14	286	0	0	2	97	60	880
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	3	39	11	137	0	0	0	0	0	0
3578	0	0	0	0	3	364	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3588	0	0	1	11	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	1	150
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	32	350	4	695	15	690	2	555
FRM MO.	3	71	58	810	7	1097	17	790	63	1619
FRM YTD	66	8907	105	1563	221	6485	48	1236	117	6468
TOT MO.	46	361	83	1238	218	1691	47	1109	112	3316
TOT YTD	240	13676	289	3942	3110	18207	277	2713	477	23209

U S EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	2	995	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	2	280
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	2	113
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	1	3
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	1	21
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	2	113
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	1	304
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	3	102	0	0	1	15	0	0
3528	0	0	1	56	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	1	45
3531	4	25	0	0	0	0	0	0	5	105
3532	2	20	0	0	0	0	1	11	1	33
3533	0	0	0	0	0	0	0	0	1	6
3538	0	0	1	196	0	0	0	0	1	642
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	2	21	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	1	5
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	1	2	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	4	39	0	0	0	0	1	45
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	15	275
4000	4	35	0	0	0	0	9	22	1	12
5000	5	7	5	3	0	0	0	0	6	5
CUT MO	17	108	16	1391	0	0	12	50	42	2007
CUT YTD	253	2038	213	5827	30	322	146	3585	1367	18539
1011	0	5	0	23	0	0	0	0	0	6
3568	0	0	0	0	0	0	0	0	0	0
3569	1	2	4	4	0	0	0	0	8	9
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	8	58	2	25	0	0	0	0	5	93
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	34	1	15	0	0	0	0	12	1843
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	1	10	1	22
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	4	187	0	0	0	0	9	431
FRM MO.	10	99	11	254	0	0	1	10	35	2404
FRM YTD	159	3636	57	1998	7	385	17	2150	446	28077
TOT MO.	27	207	27	1645	0	0	13	60	77	4411
TOT YTD	412	5674	270	7825	37	707	163	5735	1813	46616

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	KOREAN REP.		PAKISTAN		S. ARABIA		SINGAPORE		TAIWAN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	1	53	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	2	46	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	9	591	0	0	2	17	0	0	0	0
3264	0	0	0	0	0	0	1	176	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	1	81	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	1	154	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	1	284	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	5	415
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	2	19	0	0	5	33
3532	2	39	0	0	0	0	2	20	2	32
3533	0	0	0	0	0	0	0	0	13	157
3538	0	0	0	0	0	0	1	142	1	14
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	1	14	0	0	0	0	0	0	0	0
3546	1	9	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	11	229	0	0	0	0	0	0	1	57
3559	0	0	0	0	0	0	0	0	0	0
3565	2	33	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	1	86	0	0
4000	4	610	0	0	0	0	3	40	24	48
5000	33	23	0	0	0	0	47	43	153	32
CUT MO.	66	2067	0	0	6	82	56	560	204	788
CUT YTD	716	27280	76	1181	223	554	1012	4739	670	7561
1011	0	445	0	0	0	0	0	2	0	4
3568	0	0	0	0	0	0	0	0	0	0
3569	7	6	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	1	21
3575	2	41	0	0	0	0	2	14	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	1	21	0	0	0	0	2	9
3588	2	104	0	0	2	280	0	0	1	130
3589	0	0	0	0	0	0	0	0	0	0
3590	2	2077	0	0	0	0	0	0	0	0
3594	3	1529	0	0	0	0	0	0	1	406
3595	0	0	0	0	0	0	0	0	0	0
3598	2	467	0	0	0	0	1	68	0	0
FRM MO.	18	4669	1	21	2	280	3	84	5	570
FRM YTD	266	17660	8	324	27	850	142	1680	95	8770
TOT MO.	84	6736	1	21	8	362	59	644	209	1358
TOT YTD	982	44940	84	1505	250	1404	1154	6419	765	16331

U S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPIEMBER 1988

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
6/4	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	2	31	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	2	33	0	0	0	0
3532	0	0	0	0	3	26	0	0	0	0
3533	0	0	1	13	0	0	0	0	0	0
3538	1	28	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	3	16	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	12	83	1	7	0	0	0	0
5000	0	0	40	38	93	72	2	3	2	2
CUT MO	1	28	58	181	99	138	2	3	2	2
CUT YTD	49	2818	281	1830	367	2621	99	178	3	6
1011	0	23	0	0	0	7	0	0	0	0
3568	0	0	0	0	0	0	5	61	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	2	20	0	0	0	0	0	0
3575	0	0	27	158	0	0	0	0	0	0
3578	0	0	2	61	1	20	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	1	6	1	10	0	0	0	0
3588	1	488	2	43	1	115	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	2	11	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	26	2670	0	0	0	0	0	0
FRM MO.	1	511	60	2958	5	163	5	61	0	0
FRM YTD	22	2174	282	8955	195	6430	18	1892	0	1
TOT MO.	2	539	118	3139	104	301	7	64	2	2
TOT YTD	71	4992	563	10785	562	9051	117	2070	3	9

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
SEPTEMBER 1988

	EGYPT		REP. S. AFR		OTH. AFRICA	
674	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	1	254	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	0	0	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	0	0	0	0
3565	0	0	0	0	0	0
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	21	53	0	0
5000	0	0	9	19	4	3
CUT MO.	0	0	31	326	4	3
CUT YTD	39	252	433	2072	22	192
1011	0	0	0	0	0	0
3568	2	120	0	0	0	0
3569	0	0	0	0	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	0	0	0	0	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	0	0	0	0
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	0	0	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	0	0	0	0
FRM MO.	2	120	0	0	0	0
FRM YTD	2	129	17	209	9	1498
TOT MO.	2	120	31	326	4	3
TOT YTD	41	381	450	2281	31	1690

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMNS
SEPTEMBER 1988

OTHER EUROPE

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	0	0	0	0	0	0
EAST GERMANY	0	0	0	0	0	0
FINLAND	4	91	9	61	13	152
GIBRALTAR	0	0	0	0	0	0
GREECE	2	12	3	78	5	90
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	13	9	1	11	14	20
PORTUGAL	33	84	4	73	37	157
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	52	196	17	223	69	419

OTHER NORTH AND CENTRAL AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
BAHAMAS	43	28	0	0	43	28
BARBADOS	0	0	1	7	1	7
BELIZE	1	109	0	0	1	109
BERMUDA	0	0	0	0	0	0
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	8	13	0	3	8	16
DOMINICAN REP	1	19	2	95	3	114
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	1	2	0	0	1	2
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	1	55	1	55
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	1	2	0	12	1	14
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	7	0	7
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	55	173	4	179	59	352

OTHER SOUTH AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
BOLIVIA	0	0	0	0	0	0
CHILE	21	288	1	94	22	382
ECUADOR	1	25	15	334	16	359
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	6	4	0	0	6	4
PARAGUAY	0	0	0	0	0	0
PERU	2	2	1	362	3	364
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	30	319	17	790	47	1109

OTHER OCEANIA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	2	2	0	0	2	2
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	2	2	0	0	2	2

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
SEPTEMBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	3	6	1	13	4	19
BAHRAIN	0	0	0	0	0	0
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	7	10	0	0	7	10
LEBANON	0	0	0	0	0	0
MALAYSIA	20	13	9	175	29	188
NEPAL	0	0	23	2585	23	2585
OMAN	5	4	0	0	5	4
PHILIPPINES	5	5	2	43	7	48
QATAR	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	18	143	25	142	43	285
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	58	181	60	2958	118	3139

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	4	3	0	0	4	3
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	4	3	0	0	4	3

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'O-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED.
3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING.

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

RELEASED: JANUARY 20, 1989

		TOTAL YTD		TOTAL MO.	
674: METAL CUTTING		UNITS	$000	UNITS	$000
3025	Gear Hobbers	61	8588	8	437
3035	Gear Shapers	11	2715	1	249
3045	Gear Cutting Machines, N.E.C.	34	1337	10	32
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1294	101274	146	12135
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	84	8977	2	394
3409	Horizontal Machining Centers, ATC, NC	545	85803	34	5837
3411	Machining Centers, NC, N.E.C.	246	47279	11	1815
3412	Single Station and Multi-Station Transfer Machines	169	60502	8	1548
3413	Way Type Machines, (Unit Heads)	0	0	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	5	1149	0	0
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	36	4654	1	41
3419	Vertical Boring-Drilling-Milling Machines, NC	99	10375	14	920
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	11	1559	1	20
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	152	4843	26	709
3328	Drilling Machines, NC	204	7830	14	771
3329	Drilling Machines, Multi-Spindle, Non-NC	65	1019	9	138
3334	Drilling Machines, Radial, Non-NC	113	690	12	87
3336	Drilling Machines, Upright, Single Spindle, Non-NC	115	1011	14	190
3342	Drilling Machines, Non-NC, N.E.C.	442	13233	52	1036
3464	Milling Machines, NC	275	24734	31	2065
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	28	1231	5	147
3467	Milling Machines, Knee Type, Non-NC	2205	13485	94	526
3468	Milling Machines, Bed Type, Non-NC	278	10278	15	219
3469	Milling Machines, Non-NC, N.E.C.	1877	29286	203	1625
3476	Vertical Boring Machines, Incl. VTL's, NC	8	1591	0	0
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	34	1262	0	0
3481	Boring Machines, NC, N.E.C.	10	2350	0	0
3483	Boring Machines, Non-NC N.E.C.	302	7192	31	531
3504	Horizontal Lathes, Multi-Spindle, NC	104	12700	7	683
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	2557	158707	277	14710
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	340	42684	36	5298
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	45	3413	1	290
3512	Horizontal Engine & Toolroom Lathes, Non-NC	2267	21370	317	2549
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	33	799	12	265
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	12	1145	0	0
3515	Automatic Bar Machines, Single Spindle, Non-NC	112	3332	19	604
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	41	1843	1	160
3518	Horizontal Lathes, Non-NC, N.E.C.	187	3976	13	227
3505	Vertical Lathes, Multi-Spindle, NC	55	7893	2	1371
3519	Vertical Lathes, NSPF, NC	123	11507	12	1408
3522	Vertical Lathes, Excl. VTL's, Non-NC	864	17096	91	1170
3527	Gear Tooth Grinding & Finishing Machines	440	21099	31	2401
3528	Tool & Cutter Grinding Machines, NC	75	4751	27	3108
3529	Tool & Cutter Grinding Machines, Non-NC	846	25889	37	1270
3533	Honing & Lapping Machines	257	14443	10	375
3539	Grinding Machines, Flat Surface, NC	46	4777	8	686
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	529	8399	54	994
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	1711	19199	139	1428
3546	Grinding & Polishing Machines, NC, N.E.C.	149	19904	23	1685
3554	External Grinding Machines, Non-NC	266	9708	11	711
3556	Internal Grinding Machines, Non-NC	39	3670	3	555
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	132	4973	23	771
3559	Grinding Machines, Non-NC, N.E.C.	980	28858	156	3609
3562	Traveling Wire Electrical Discharge Machines	636	47125	68	5502
3564	All Other Electrical Discharge Machines	262	12098	17	488
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	82	10718	5	582
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	573	7003	11	1005
3576	Metal Cutting Machines Tools, NC, N.E.C.	198	13949	23	2224
3577	Sawing & Cut-Off Machines, Non-NC	1314	18208	125	2270
3578	Broaching Machines, Non-NC	113	1958	0	0
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	1241	33986	92	2381
4000	Metal Cutting Machine Tools, Used or Rebuilt*	1385	14749	187	3285
5000	Metal Cutting Machine Tools, Less Than $2500**	717766	75433	100676	10185
	TOTAL CUTTING			103256	105724
	TOTAL CUTTING YTD	744483	1141606		
674: METAL FORMING					
1010	Die Casting Machines	328	26127	17	2612
3582	Metal Forming Machine Tools, Used or Rebuilt	409	4117	28	164
3583	Metal Forming Machine Tools, Less Than $2500	23590	8555	5415	998
3584	Punching and Shearing Machines, Incl. Combination, NC	207	23726	13	2208
3586	Shearing Machines, Non-NC	480	8607	36	448
3587	Punching & Combination Punching & Shearing Machines, Non-NC	392	8971	16	884
3588	Bending, Folding, Straightening & Flattening Machines, NC	211	14517	17	2083
3589	Press Brakes, Non-NC	426	12340	39	1266
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	80	1341	5	70
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	908	28631	88	1250
3593	Metal Forming Machine Tools, NC, N.E.C.	145	27963	113	5966
3594	Mechanical Presses, Non-NC	333	45092	27	3405
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	58	11286	18	7637
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	773	70687	100	26812
3597	Headers & Upsetters, Non-NC	80	7272	21	1054
3598	Forging Machines, Non-NC, N.E.C.	92	13882	2	18
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	1901	55127	162	5953
	TOTAL FORMING			6117	62828
	TOTAL FORMING YTD	30413	368245		
	TOTAL ALL TYPES			109373	168552
	TOTAL ALL TYPES YTD	774896	1509851		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461,3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	0	0	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	1	594
3328	0	0	0	0	0	0	0	0	2	340
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	0	0	0	0	1	4
3464	0	0	0	0	0	0	0	0	1	1050
3466	0	0	3	9	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	[illegible]
3469	0	0	0	0	0	0	0	0	2	101
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	21	192
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	2	518
3522	18	370	0	0	0	0	0	0	0	0
3527	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	1	3	0	0	0	0
3533	0	0	0	0	0	0	0	0	1	50
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	10	147
3543	5	70	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	1	314
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	20	100	0	0	27	288
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	1	109	0	0	0	0	2	6	2	58
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	0	0	7	106	8	67
4000	0	0	0	0	0	0	0	0	2	18
5000	142	116	0	0	16	19	189	96	277	83
CUT MO.	166	665	3	9	37	122	198	208	358	3824
CUT YTD	9532	6651	276	1270	417	1143	3409	8106	6758	32694
1010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	6	30	1	2
3583	0	0	56	21	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	4	63	0	0	0	0	0	0
3587	0	0	0	0	0	0	0	0	1	43
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	7	338	0	0	0	0	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	1	4	0	0	0	0	25	249
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	1	84	0	0	0	0	0	0	0	0
3596	0	0	6	642	0	0	0	0	0	0
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	0	0	13	221	1	572	22	96	5	50
FRM MO.	1	84	87	1289	1	572	28	126	32	344
FRM YTD	103	322	968	11682	64	1251	985	4034	1947	25220
TOT MO.	167	749	90	1298	38	694	226	334	390	4168
TOT YTD	9635	6973	1244	12952	481	2394	4394	12140	8705	57914

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	0	0	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	5	879
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	18	50	3	40	1	54
3464	0	0	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	18	106	0	0	0	0
3468	0	0	0	0	14	138	0	0	1	81
3469	0	0	0	0	0	0	0	0	1	32
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	1	10	0	0	0	0	0	0	1	22
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	1	54
3516	0	0	0	0	0	0	0	0	1	160
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	1	122
3519	0	0	0	0	0	0	0	0	0	0
3522	0	0	0	0	6	39	0	0	0	0
3527	0	0	0	0	0	0	4	12	12	1766
3528	0	0	0	0	1	129	0	0	0	0
3529	0	0	0	0	0	0	0	0	3	314
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	0	0	0	0	0	0	1	104
3546	0	0	0	0	0	0	0	0	1	32
3554	1	84	0	0	0	0	0	0	3	256
3556	0	0	0	0	0	0	0	0	0	0
3558	6	100	0	0	0	0	0	0	14	658
3559	0	0	0	0	0	0	10	27	2	98
3562	0	0	0	0	1	35	0	0	6	720
3564	0	0	0	0	0	0	0	0	1	93
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	1	145	1	25
3577	0	0	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	0	0	0	0	2	79
4000	0	0	0	0	1	19	4	29	2	51
5000	71	91	0	0	108	24	185	200	29	13
CUT MO.	79	285	0	0	167	540	207	453	89	5613
CUT YTD	4661	5054	35	125	3521	13740	1429	7219	4490	54383
1010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	2	10	1	10	0	0
3583	59	25	0	0	0	0	36	16	152	14
3584	1	17	0	0	0	0	0	0	0	0
3586	1	22	0	0	0	0	0	0	0	0
3587	0	0	0	0	1	37	4	89	1	11
3588	0	0	0	0	0	0	0	0	2	451
3589	0	0	0	0	0	0	0	0	0	0
3591	0	0	0	0	0	0	4	65	0	0
3592	0	0	0	0	0	0	13	207	1	7
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	1	4	0	0	0	0
3596	1	1322	0	0	0	0	6	798	3	424
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	1	45	0	0	3	42	0	0	5	169
FRM MO.	63	1431	0	0	7	93	64	1185	164	1076
FRM YTD	286	2890	53	544	593	2569	653	9377	1284	15737
TOT MO.	142	1716	0	0	174	633	271	1638	253	6689
TOT YTD	4947	7944	88	669	4114	16309	2082	16596	5774	70120

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	4	399	0	0	0	0	0	0
3035	0	0	1	249	0	0	0	0	0	0
3045	0	0	10	32	0	0	0	0	0	0
3404	17	1228	6	450	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	1	100	0	0	0	0	0	0	0	0
3411	0	0	3	673	0	0	1	64	0	0
3412	0	0	2	385	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	1	41	0	0	0	0	0	0
3419	0	0	10	719	4	201	0	0	0	0
3422	0	0	1	20	0	0	0	0	0	0
3423	1	30	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	4	11	0	0
3342	0	0	7	141	0	0	4	515	0	0
3464	12	450	15	396	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	160	652	4	307	0	0	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	2	42	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	24	579	1	210	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	41	422	0	0	0	0	0	0	40	281
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	131	0	0	0	0	0	0	11	43
3505	0	0	0	0	0	0	0	0	0	0
3519	1	26	3	473	0	0	0	0	0	0
3522	7	62	1	73	0	0	4	24	21	86
3527	0	0	1	530	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	6	56	20	504	0	0	5	316	0	0
3533	7	219	1	34	0	0	0	0	0	0
3539	8	686	0	0	0	0	0	0	0	0
3541	0	0	4	323	0	0	0	0	0	0
3543	0	0	20	229	1	37	5	37	0	0
3546	0	0	19	1209	0	0	0	0	0	0
3554	3	36	3	21	0	0	0	0	0	0
3556	0	0	3	555	0	0	0	0	0	0
3558	3	13	0	0	0	0	0	0	0	0
3559	12	61	17	810	0	0	3	211	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	15	0	0	0	0	0	0
3571	8	857	0	0	0	0	2	108	0	0
3576	0	0	3	202	0	0	0	0	0	0
3577	27	103	8	547	4	11	16	206	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	21	550	4	48	0	0	24	577	2	17
4000	27	43	13	1174	0	0	3	68	0	0
5000	452	221	516	160	20	30	172	196	16	26
CUT MO.	839	6525	702	10929	29	279	245	2375	90	453
CUT YTD	8751	59702	12037	173080	286	1456	6348	14373	608	3637
1010	0	0	6	446	0	0	9	427	0	0
3582	1	1	5	60	0	0	10	34	0	0
3583	10	12	72	13	0	0	16	20	1	1
3584	0	0	0	0	0	0	0	0	0	0
3586	4	26	7	63	0	0	6	113	1	5
3587	0	0	1	4	0	0	4	192	0	0
3588	0	0	0	0	0	0	1	107	0	0
3589	0	0	0	0	0	0	14	376	0	0
3591	1	5	0	0	0	0	0	0	0	0
3592	7	307	2	7	0	0	31	416	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	1	95	0	0	0	0	2	229	6	235
3595	0	0	1	10	0	0	8	465	0	0
3596	25	88	12	1498	0	0	24	165	5	10537
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	1	14	0	0
3599	11	362	33	1866	0	0	15	382	0	0
FRM MO.	60	896	139	3967	0	0	141	2940	13	1077[illegible]
FRM YTD	823	12355	3592	38444	0	0	1379	31263	35	17167
TOT MO.	899	7421	841	14896	29	279	386	5315	103	11231
TOT YTD	9574	72057	15629	211524	286	1456	7727	45636	643	20804

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

	CHINA		ISRAEL		JAPAN		KOREAN REP.		SINGAPORE	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	3	20	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	6	90	0	0	104	9453	0	0	6	267
3406	0	0	0	0	2	394	0	0	0	0
3409	0	0	0	0	32	5687	1	50	0	0
3411	0	0	0	0	6	969	0	0	0	0
3412	0	0	0	0	1	284	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	12	431	0	0	0	0
3329	0	0	0	0	9	138	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	1	7	0	0	0	0
3342	0	0	0	0	4	139	0	0	0	0
3464	0	0	0	0	2	124	0	0	0	0
3466	0	0	0	0	2	138	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	0	0	4	230	1	41	0	0	6	171
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	6	265	0	0	0	0
3504	0	0	0	0	7	683	0	0	0	0
3506	4	18	0	0	236	13325	7	352	0	0
3508	0	0	0	0	36	5298	0	0	0	0
3510	0	0	0	0	1	290	0	0	0	0
3512	61	283	0	0	2	40	10	126	51	485
3513	0	0	0	0	2	178	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	18	550	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	1	53	0	0	0	0
3505	0	0	0	0	1	1249	0	0	0	0
3519	0	0	0	0	4	309	2	82	0	0
3522	0	0	0	0	6	315	12	79	0	0
3527	0	0	0	0	6	50	0	0	0	0
3528	0	0	0	0	26	2979	0	0	0	0
3529	0	0	0	0	1	59	0	0	0	0
3533	0	0	0	0	1	72	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	1	30	0	0	39	494
3543	0	0	1	109	55	431	0	0	0	0
3546	0	0	0	0	3	444	0	0	0	0
3554	0	0	0	0	0	0	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	2	30	0	0	47	1922	0	0	0	0
3562	0	0	0	0	57	4703	0	0	0	0
3564	0	0	0	0	5	267	0	0	0	0
3567	0	0	0	0	4	567	0	0	0	0
3571	0	0	0	0	1	40	0	0	0	0
3576	0	0	0	0	17	1834	0	0	0	0
3577	0	0	2	217	33	838	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	13	874	0	0	0	0
4000	0	0	0	0	23	1796	0	0	0	0
5000	4326	241	0	0	9294	1583	0	0	0	0
CUT MO.	4402	682	7	556	10083	58849	32	689	102	1417
CUT YTD	31451	4770	307	1888	67052	631194	1567	9229	648	6695
1010	0	0	0	0	1	1738	0	0	0	0
3582	0	0	0	0	2	17	0	0	0	0
3583	0	0	0	0	3589	618	0	0	2	1
3584	0	0	0	0	11	1978	0	0	0	0
3586	0	0	0	0	5	119	0	0	2	17
3587	0	0	0	0	3	428	0	0	0	0
3588	0	0	0	0	13	1495	0	0	0	0
3589	0	0	0	0	14	512	0	0	4	40
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	0	0	5	39	0	0	0	0
3593	0	0	0	0	113	5966	0	0	0	0
3594	0	0	0	0	15	2698	0	0	0	0
3595	0	0	0	0	6	7059	0	0	0	0
3596	0	0	0	0	15	11291	0	0	0	0
3597	0	0	2	76	19	978	0	0	0	0
3598	0	0	0	0	1	4	0	0	0	0
3599	1	30	0	0	42	2014	6	38	0	0
FRM MO.	1	30	2	76	3854	36954	6	38	8	58
FRM YTD	23	167	61	954	7645	183719	68	240	304	1212
TOT MO.	4403	712	9	632	13937	95803	38	727	110	1475
TOT YTD	31474	4937	368	2842	74697	814913	1635	9469	952	7907

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
SEPTEMBER 1988

	TAIWAN		AUSTRALIA		ALL OTHERS	
674:	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	1	18
3035	0	0	0	0	0	0
3045	0	0	0	0	0	0
3404	7	647	0	0	0	0
3406	0	0	0	0	0	0
3409	0	0	0	0	0	0
3411	1	109	0	0	0	0
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	0	0	0	0	0	0
3422	0	0	0	0	0	0
3423	24	85	0	0	0	0
3328	0	0	0	0	0	0
3329	0	0	0	0	0	0
3334	12	87	0	0	0	0
3336	9	172	0	0	0	0
3342	14	93	0	0	0	0
3464	1	45	0	0	0	0
3466	0	0	0	0	0	0
3467	75	407	0	0	1	13
3468	0	0	0	0	0	0
3469	23	63	0	0	2	28
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	0	0
3483	0	0	0	0	0	0
3504	0	0	0	0	0	0
3506	5	226	0	0	0	0
3508	0	0	0	0	0	0
3510	0	0	0	0	0	0
3512	90	490	0	0	22	422
3513	10	87	0	0	0	0
3514	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3505	0	0	0	0	0	0
3519	0	0	0	0	0	0
3522	15	105	1	17	0	0
3527	8	43	0	0	0	0
3528	0	0	0	0	0	0
3529	1	18	0	0	0	0
3533	0	0	0	0	0	0
3539	0	0	0	0	0	0
3541	0	0	0	0	0	0
3543	49	376	0	0	2	35
3546	0	0	0	0	0	0
3554	0	0	0	0	0	0
3556	0	0	0	0	0	0
3558	0	0	0	0	0	0
3559	16	62	0	0	0	0
3562	4	44	0	0	0	0
3564	0	0	11	128	0	0
3567	0	0	0	0	0	0
3571	0	0	0	0	0	0
3576	0	0	1	18	0	0
3577	29	170	0	0	1	5
3578	0	0	0	0	0	0
3579	11	63	0	0	0	0
4000	110	82	1	4	1	1
5000	84509	6975	59	93	295	18
CUT MO.	85023	10449	73	260	325	540
CUT YTD	526835	95425	349	1659	53716	8116
1010	1	1	0	0	0	0
3582	0	0	0	0	0	0
3583	1243	175	1	1	178	81
3584	0	0	0	0	1	213
3586	6	20	0	0	0	0
3587	1	80	0	0	0	0
3588	0	0	0	0	1	30
3589	0	0	0	0	0	0
3591	0	0	0	0	0	0
3592	3	14	0	0	0	0
3593	0	0	0	0	0	0
3594	3	148	0	0	0	0
3595	0	0	0	0	1	15
3596	3	47	0	0	0	0
3597	0	0	0	0	0	0
3598	0	0	0	0	0	0
3599	3	38	0	0	1	28
FRM MO.	1263	523	1	1	182	367
FRM YTD	8796	5175	8	215	743	3704
TOT MO.	86286	10972	74	261	507	907
TOT YTD	535631	100600	357	1874	54459	11820

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
SEPTEMBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	1	5	0	0	1	5
EAST GERMANY	4	59	1	28	5	87
FINLAND	1	1	5	218	6	219
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	1	30	1	30
HUNGARY	1	5	0	0	1	5
ICELAND	0	0	0	0	0	0
IRELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	0	0	0	0	0	0
POLAND	23	452	0	0	23	452
ROMANIA	0	0	0	0	0	0
USSR	0	0	1	15	1	15
OTHER EUROPE	0	0	0	0	0	0
TOTAL	30	522	8	291	38	813
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP.	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
MEXICO	288	8	25	51	313	59
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	288	8	25	51	313	59
OTHER SOUTH AMERICA						
ARGENTINA	0	0	0	0	0	0
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
SEPTEMBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	0	0	0	0	0	0
INDIA	7	10	0	0	7	10
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	7	10	0	0	7	10
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP. S. AFRICA	0	0	149	25	149	25
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	0	0	149	25	149	25

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING. 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES.

A8620-3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL
No. 18-89 February 10, 1989

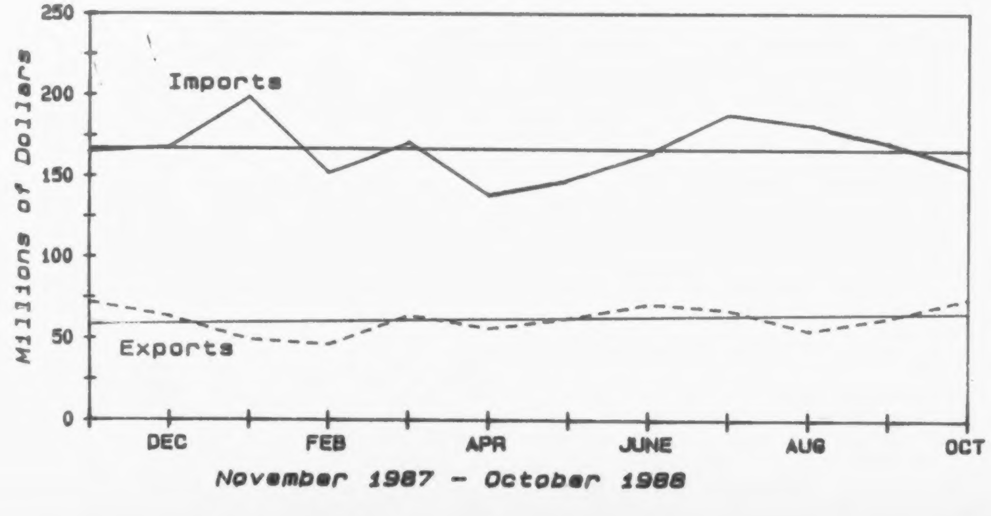
U.S. FOREIGN TRADE IN MACHINE TOOLS - OCTOBER 1988

U.S. machine tool exports in October increased 19% over September to $74.9 million. Imports for the month amounted to $155.0 million, down 8% from the September total. For the first ten months of 1988, machine tool exports increased 17% to $611.4 million, while year-to-date imports decreased 1% compared with 1987 figures. The U.S. machine tool trade deficit for January through October 1988 improved by 9% from the same time period in 1987.

U.S. Machine Tool Trade
($Millions)

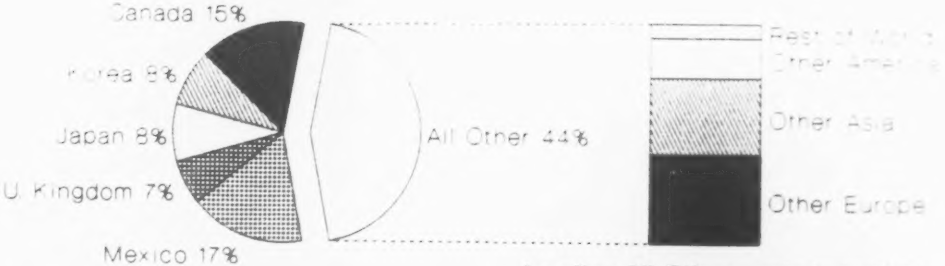
	October 1988			Ten Month Total		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$ 53.0	$113.6	($ 60.6)	$350.3	$1,255.2	($ 904.9)
Metal Forming	$ 21.9	$ 41.4	($ 19.5)	$261.1	$ 409.7	($ 148.6)
Total	$ 74.9	$155.0	($ 80.1)	$611.4	$1,664.9	($1,053.5)

U.S. FOREIGN TRADE -- TOTAL MACHINE TOOLS
Monthly Totals



Year-to-date U.S. exports of both metal cutting and metal forming machine tools increased versus 1987 totals, by 13% and 23% respectively. Compared with September, metal cutting machine tool exports increased 63% in October, while metal forming exports declined by 29%. For the first ten months of 1988, the leading export markets were (in millions): Mexico ($102.8), Canada ($94.4), Japan ($51.6), the Republic of Korea ($51.6) and the United Kingdom ($40.0).

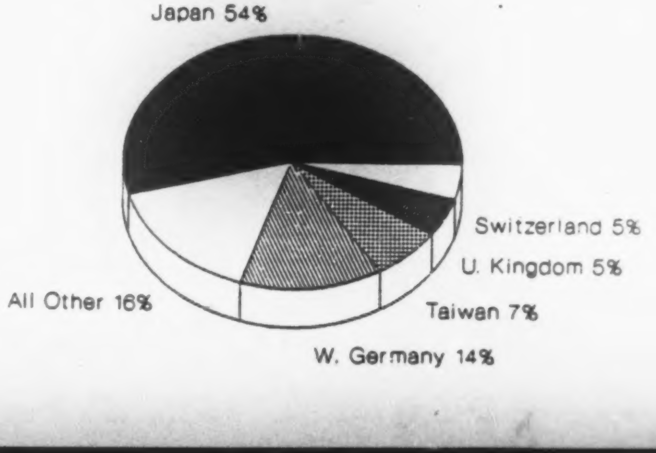
LEADING U.S. EXPORT MARKETS
January - October 1988
(% Based on U. S. Dollar Values)



Leading All Other markets include:
America - Venezuela and Brazil
Asia - China and Taiwan
Europe - W. Germany and France

U.S. imports of metal forming machines fell 34% during October, while metal cutting imports increased 6% from their September level. For the ten months through October, metal forming imports were down 12%, and metal cutting imports were up 3% compared with 1987. The leading exporters to the United States during January through October 1988 were (in millions): Japan ($905.0), West Germany ($226.9), Taiwan ($113.6), the United Kingdom ($80.7) and Switzerland ($75.6).

MAJOR U.S. IMPORT SOURCES
January - October 1988
(% Based on U.S. Dollar Values)



U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1988

RELEASED FEBRUARY 10 1989

		TOTAL YTD		TOTAL MO	
674	METAL CUTTING	UNITS	$000	UNITS	$000
3020	Gear Hobbers & Shapers	80	7886	3	852
3045	Gear Cutting Machines, N.E.C.	55	13172	8	1434
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	87	6832	5	687
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	10	2533	0	0
3209	Horizontal Machining Centers, ATC, NC	31	7062	3	1709
3211	Machining Centers, NC, N.E.C.	84	6530	9	834
3216	Single Station and Multi-Station Transfer Machines	19	11053	1	204
3225	Way Type Machines (Unit Heads)	11	1031	4	294
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	2	692	0	0
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	5	1803	1	865
3247	Vertical Boring-Drilling-Milling Machines, NC	10	1524	1	75
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	6	753	0	0
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	34	2101	3	86
3254	Drilling Machines, NC	41	3459	3	110
3255	Drilling Machines, Multi-Spindle, Non-NC	23	1758	2	88
3256	Drilling Machines, Radial, Non-NC	17	623	0	0
3257	Drilling Machines, Upright, Single Spindle, Non-NC	11	279	1	3
3258	Drilling Machines, Non-NC, N.E.C.	120	2987	31	592
3264	Milling Machines, NC	15	4303	1	280
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	41	6207	10	1412
3267	Milling Machines, Knee Type, Non-NC	3	139	0	0
3268	Milling Machines, Bed Type, Non-NC	12	1068	1	48
3269	Milling Machines, Non-NC, N.E.C.	147	8316	14	882
3276	Vertical Boring Machines, Incl. VTLs, NC	3	1318	1	478
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	80	4009	17	303
3281	Boring Machines, NC, N.E.C.	5	323	0	0
3283	Boring Machines, Non-NC, N.E.C.	91	4287	7	425
3503	Horizontal Lathes, Multi-Spindle, NC	41	9552	3	655
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	118	8973	15	1247
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	22	3503	2	295
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	7	2144	0	0
3510	Horizontal Engine & Toolroom Lathes, Non-NC	80	2748	5	189
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	20	2148	1	29
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	9	725	0	0
3515	Automatic Bar Machines, Single-Spindle, Non-NC	30	737	2	9
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	38	1488	2	87
3518	Horizontal Lathes, Non-NC, N.E.C.	316	7122	48	702
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	3	438	0	0
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	14	781	0	0
3525	Vertical Lathes, Excl. VTLs, Non-NC	93	5192	6	198
3528	Grinding, Polishing, Honing & Lapping Machines, NC	219	35115	27	3586
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	43	1760	4	403
3531	Tool & Cutter Grinding Machines, Non-NC	348	5831	36	1017
3532	Honing & Lapping Machines, Non-NC	487	5901	46	509
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	138	2234	8	130
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	303	30037	49	14581
3541	External Grinding Machines, Non-NC	19	3525	5	1278
3542	Internal Grinding Machines, Non-NC	43	6006	16	597
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	271	9706	105	1520
3546	Grinding Machines, Non-NC, N.E.C.	266	11117	37	2789
3547	Traveling Wire Electrical Discharge Machines	31	1317	27	1100
3549	All Other Electrical Discharge Machines	204	2754	16	704
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	12	618	2	114
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	80	3197	2	185
3559	Metal Cutting Machine Tools, NC, N.E.C.	108	5711	7	709
3565	Sawing & Cut Off Machines, Non-NC	531	8029	54	671
3566	Broaching Machines, Non-NC	21	2882	10	973
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	233	5557	29	209
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	5870	48129	970	5453
5000	Metal Cutting Machine Tools, Less Than $2500**	24603	13370	2531	1439
	TOTAL CUTTING			4191	53027
	TOTAL CUTTING YTD	35664	350330		
674	METAL FORMING				
1011	Die Casting Machines & Parts	0	16789	0	1624
3568	Metal Forming Machine Tools, Used Or Rebuilt	926	13445	89	1392
3569	Metal Forming Machine Tools, Less Than $2500	5312	3341	473	297
3571	Punching & Shearing Machines, Incl. Combination, NC	85	13674	10	883
3573	Shearing Machines, Non-NC	107	3267	5	346
3575	Punching & Combination Punching & Shearing Machines, Non-NC	848	19685	107	2041
3578	Bending, Folding, Straightening & Flattening Machines, NC	117	5838	22	1512
3582	Press Brakes, Non-NC	85	3942	2	207
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	15	1369	3	126
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	815	27932	58	1505
3588	Mechanical Presses	235	22440	14	946
3589	Hydraulic Presses, Vertical, Single Action	100	4962	9	511
3590	Hydraulic & Pneumatic Presses	1029	48364	118	5493
3594	Headers & Upsetters, Non-NC	84	18125	15	2241
3595	Forging Machines, Non-NC, N.E.C.	155	3345	26	415
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	1117	54647	86	2167
	TOTAL FORMING			1037	21910
	TOTAL FORMING YTD	11030	261146		
	TOTAL ALL TYPES			5228	74937
	TOTAL ALL TYPES YTD	46694	611476		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554.

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	1	115	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	1	130
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	1	3	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	2	168	0	0	0	0	0	0
3507	0	0	0	0	0	0	1	130	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	2	180	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	11	82	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	1	48
3542	0	0	0	0	0	0	6	232	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	1	4	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	2	114	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	4	92	0	0
3565	2	6	0	0	0	0	0	0	1	40
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	1	12	1	27
4000	0	0	39	64	0	0	6	31	0	0
5000	0	0	146	95	0	0	27	20	6	4
CUT MO	3	10	190	622	0	0	59	716	10	249
CUT YTD	88	804	394	4800	8	408	461	7308	33	1273
1011	0	12	0	0	0	0	0	381	0	0
3568	0	0	0	0	0	0	5	105	0	0
3569	0	0	0	0	57	48	49	10	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	3	38	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	3	58	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	4	117	0	0	0	0	0	0	1	202
3590	0	0	0	0	1	12	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	1	20	0	0	6	134	0	0
FRM MO	4	129	1	20	58	60	66	726	1	202
FRM YTD	31	401	156	1212	69	277	514	7932	18	705
TOT MO	7	139	191	642	58	60	125	1442	11	451
TOT YTD	119	1205	550	6012	77	685	975	15240	51	1978

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1988

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674.	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	2	795	0	0	0	0	0	0	0	0
3045	1	392	1	51	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	2	88	0	0	0	0	0	0	0	0
3264	1	280	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	1	83	0	0	0	0	0	0	0	0
3528	9	580	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	1	3	0	0
3532	0	0	0	0	2	29	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	4	69	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	2	606	0	0	0	0	0	0	0	0
3565	3	19	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	54	438	0	0	0	0	4	44	0	0
5000	5	3	33	26	0	0	59	37	0	0
CUT MO.	84	3353	34	77	2	29	64	84	0	0
CUT YTD	669	9942	337	2520	6	50	335	1813	188	2039
1011	0	3	0	9	0	0	0	7	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	1	169	0	0	0	0	0	0
3578	0	0	0	0	0	0	1	42	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	162	0	0	0	0	7	181	1	6
3588	1	350	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	2	32	0	0	0	0	0	0	0	0
3594	3	97	1	25	0	0	0	0	0	0
3595	0	0	1	7	0	0	0	0	0	0
3598	0	0	0	0	0	0	2	94	0	0
FRM MO	7	644	3	210	0	0	10	324	1	6
FRM YTD	115	6540	155	3225	1	50	89	5036	82	1160
TOT MO	91	3997	37	287	2	29	74	408	1	6
TOT YTD	784	16482	492	5745	7	100	424	6849	270	3199

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1988

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	3	208	0	0	3	239	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	2	146	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	1	414	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	4	280	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	6	314	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	1	3	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	1	4	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	3	33	1	14	0	0	3	41	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	1	24	0	0	0	0	0	0
3528	0	0	1	182	0	0	1	290	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	2	16	0	0	4	69	0	0
3532	0	0	3	12	0	0	13	123	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	10	365	0	0
3544	0	0	16	185	0	0	1	14	0	0
3546	0	0	2	29	0	0	1	6	0	0
3547	0	0	23	926	0	0	0	0	0	0
3549	0	0	3	6	0	0	3	4	1	106
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	1	20	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	12	213	0	0	7	13	0	0
5000	32	21	128	106	0	0	149	83	0	0
CUT MO.	35	54	208	2936	0	0	198	1413	1	106
CUT YTD	252	2269	2431	24848	71	1155	1317	13956	3	191
1011	0	4	0	94	0	0	0	184	0	0
3568	0	0	0	0	0	0	23	451	0	0
3569	0	0	0	0	0	0	48	10	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	9	285	0	0	5	96	0	0
3578	0	0	0	0	0	0	13	431	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	3	30	0	0	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	17	2569	0	0	2	202	0	0
3594	1	58	0	0	0	0	1	480	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	2	8	2	7	0	0	4	27	0	0
FRM MO	3	70	31	2985	0	0	96	1881	0	0
FRM YTD	48	1540	420	15146	2	52	1221	20014	5	835
TOT MO	38	124	239	5921	0	0	294	3294	1	106
TOT YTD	300	3809	2851	39994	73	1207	2538	33970	8	1026

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1988

	OTH. EUROPE		CANADA		MEXICO		OTH. N & C		ARGENTINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	1	57	0	0	0	0
3045	0	0	0	0	2	333	0	0	0	0
3204	0	0	2	145	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	1	36	2	128	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	1	75	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	23	1	18	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	1	40	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	1	3	0	0	0	0
3258	0	0	0	0	4	19	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	1	48	0	0	0	0
3269	0	0	2	126	12	756	0	0	0	0
3276	0	0	1	478	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	1	11	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	1	60	1	86	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	1	7	0	0	0	0
3511	0	0	0	0	1	29	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	2	26	26	195	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	2	24	0	0	0	0
3528	0	0	0	0	2	1160	0	0	0	0
3529	0	0	1	270	0	0	0	0	0	0
3531	0	0	8	80	10	59	0	0	3	195
3532	0	0	2	32	3	20	0	0	1	10
3533	0	0	1	6	0	0	0	0	0	0
3538	0	0	2	22	29	13797	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	4	34	0	0	0	0
3546	0	0	4	215	23	2009	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	5	42	1	5	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	11	73	17	218	0	0	1	18
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	2	12	11	87	0	0	0	0
4000	1	79	31	599	539	2067	40	103	0	0
5000	144	84	672	251	374	253	15	5	0	0
CUT MO.	145	163	751	2611	1069	21423	55	108	5	223
CUT YTD	458	9744	10542	53556	6401	73462	425	1363	132	1349
1011	0	4	0	226	0	222	0	19	0	0
3568	0	0	2	4	31	235	0	0	0	0
3569	0	0	135	70	103	95	0	0	0	0
3571	0	0	2	310	0	0	0	0	0	0
3573	0	0	5	346	0	0	0	0	0	0
3575	0	0	9	97	7	43	0	0	1	3
3578	0	0	1	155	1	30	0	0	0	0
3582	0	0	1	142	0	0	0	0	0	0
3583	0	0	2	17	0	0	1	109	0	0
3584	4	107	4	144	18	526	0	0	0	0
3588	0	0	2	92	4	162	0	0	0	0
3589	0	0	1	108	3	84	0	0	0	0
3590	0	0	3	40	76	880	0	0	4	77
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	17	325	1	5	0	0	0	0
3598	0	0	4	81	20	584	1	8	0	0
FRM MO	4	111	188	2157	264	2866	2	136	5	80
FRM YTD	111	2374	3038	40877	2140	29375	145	1296	51	2340
TOT MO	149	274	939	4768	1333	24289	57	244	10	303
TOT YTD	569	12118	13580	94433	8541	102837	570	2659	183	3689

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1988

	BRAZIL		COLOMBIA		VENEZUELA		OTH. S. AM.		CHINA	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	1	92	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	2	462
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	2	1312
3211	0	0	0	0	0	0	0	0	1	313
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	1	5	20	273	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	2	99	0	0	0	0	0	0	0	0
3531	0	0	0	0	1	4	0	0	0	0
3532	0	0	0	0	4	27	1	11	1	9
3533	0	0	0	0	0	0	0	0	0	0
3538	1	19	0	0	0	0	0	0	4	390
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	1	22
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	1	500	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	1	83	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	12	65	0	0	0	0	0	0
4000	7	30	1	30	2	230	62	328	24	181
5000	15	18	23	20	34	65	4	4	0	0
CUT MO.	27	758	36	115	43	414	87	616	35	2689
CUT YTD	201	5527	220	2494	2932	12136	316	2093	395	19430
1011	0	5	0	5	0	183	0	0	0	0
3568	0	0	0	0	0	0	2	13	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	1	292	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	6	854
3582	0	0	0	0	0	0	1	65	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	6	0	0	3	70	1	34	4	35
3588	0	0	0	0	0	0	0	0	2	56
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	4	1381	0	0	0	0
3594	1	157	0	0	0	0	0	0	0	0
3595	6	62	0	0	0	0	0	0	1	16
3598	1	10	2	29	2	17	1	18	0	0
FRM MO.	10	532	2	34	9	1651	5	130	13	961
FRM YTD	76	9439	107	1597	230	8136	53	1366	130	7429
TOT MO.	37	1290	38	149	52	2065	92	746	48	3650
TOT YTD	277	14966	327	4091	3162	20272	369	3459	525	26859

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1988

	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	1	396
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	1	36
3216	0	0	0	0	0	0	0	0	1	204
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	1	45
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	1	58
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	5	619
3507	0	0	0	0	0	0	0	0	1	165
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	1	25	1	37
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	4	46
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	1	96	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	1	34
3531	0	0	0	0	0	0	0	0	2	108
3532	0	0	1	134	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	2	26
3538	4	22	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	1	587
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	10	120
3546	0	0	0	0	0	0	0	0	2	272
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	1	11	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	7	119
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	2	4	0	0	82	15	11	26	2	5
5000	10	16	0	0	0	0	10	6	95	38
CUT MO.	17	53	2	230	82	15	22	57	138	2915
CUT YTD	270	2091	215	6057	112	337	168	3642	1505	21454
1011	0	0	0	41	0	0	0	0	0	195
3568	0	0	0	0	1	95	0	0	0	0
3569	2	4	4	4	0	0	10	5	17	15
3571	0	0	1	30	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	0	0	45	766
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	18	0	0	0	0	0	0	2	46
3588	1	165	0	0	0	0	0	0	3	86
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	4	76
3594	0	0	0	0	0	0	0	0	5	796
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	1	11	0	0	4	108
FRM MO.	4	187	5	75	2	106	10	5	80	2088
FRM YTD	163	3823	62	2073	9	491	27	2155	526	30165
TOT MO.	21	240	7	305	84	121	32	62	218	5003
TOT YTD	433	5914	277	8130	121	828	195	5797	2031	51619

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1988

	KOREAN REP.		PAKISTAN		S. ARABIA		SINGAPORE		TAIWAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	1	80	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	1	38	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	1	865
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	2	64	0	0
3255	0	0	0	0	0	0	0	0	1	48
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	9	998	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	16	284	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	1	16	0	0	0	0	0	0	0	0
3503	2	458	0	0	0	0	0	0	1	197
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	2	87	0	0	0	0	0	0	0	0
3518	5	180	0	0	2	7	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	1	21	0	0	0	0	0	0	0	0
3528	3	920	0	0	0	0	1	38	9	320
3529	0	0	0	0	0	0	0	0	0	0
3531	2	466	0	0	0	0	0	0	0	0
3532	3	14	0	0	0	0	0	0	0	0
3533	4	49	0	0	0	0	1	49	0	0
3538	2	129	1	13	0	0	2	120	0	0
3541	1	325	0	0	0	0	0	0	2	318
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	1	100	72	1045
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	4	174	0	0	0	0	0	0
3549	1	37	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	2	185	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	1	10	1	13	0	0	0	0	0	0
3566	10	973	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	14	232	0	0	0	0	2	57	0	0
5000	71	46	0	0	20	20	68	60	9	5
CUT MO	135	5206	6	200	22	27	94	810	95	2798
CUT YTD	851	32486	82	1381	245	581	1106	5549	765	10359
1011	0	0	0	0	0	0	0	0	0	0
3568	24	478	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	1	124
3573	0	0	0	0	0	0	0	0	0	0
3575	7	82	0	0	0	0	2	15	3	27
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	38	0	0	0	0	0	0	0	0
3588	0	0	0	0	1	35	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	1	10	1	150
3594	3	628	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	12	192	0	0	7	257	0	0	1	25
FRM MO	47	1418	0	0	8	292	3	25	6	326
FRM YTD	313	19078	8	324	35	1142	145	1705	101	9096
TOT MO	182	6624	6	200	30	319	97	835	101	3124
TOT YTD	1164	51564	90	1705	280	1723	1251	7254	866	19455

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1988

	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	1	55	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	1	397	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	1	46	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	1	19	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	1	117	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	1	46	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	3	17	0	0	0	0
3532	0	0	0	0	1	6	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	4	164	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	7	40	1	12	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	2	6	0	0	0	0
4000	0	0	14	240	12	329	2	95	0	0
5000	0	0	339	124	25	15	2	3	0	0
CUT MO.	2	443	360	719	51	459	5	110	0	0
CUT YTD	51	3261	641	2549	418	3080	104	288	3	6
1011	0	0	0	13	0	14	0	3	0	0
3568	0	0	1	11	0	0	0	0	0	0
3569	0	0	0	0	40	34	0	0	0	0
3571	0	0	0	0	5	127	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	13	385	2	35	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	3	29	0	0	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	2	15	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	2	461	0	0	0	0
FRM MO	0	0	17	438	51	686	0	3	0	0
FRM YTD	22	2174	299	9393	246	7116	18	1895	0	3
TOT MO	2	443	377	1157	102	1145	5	113	0	0
TOT YTD	73	5435	940	11942	664	10196	122	2183	3	9

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
OCTOBER 1988

	EGYPT		REP S. AFR		OTH. AFRICA	
674	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	0	0	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	1	118
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	1	5	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	0	0	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	0	0	0	0	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	1	94
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	0	0	0	0
3565	0	0	0	0	0	0
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	0	0	0	0
5000	0	0	16	11	0	0
CUT MO.	0	0	17	16	2	212
CUT YTD	39	252	450	2088	24	404
1011	0	0	0	0	0	0
3568	0	0	0	0	0	0
3569	0	0	8	2	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	0	0	0	0	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	1	15	0	0	0	0
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	1	49	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	0	0	11	276
FRM MO.	1	15	9	51	11	276
FRM YTD	3	144	26	260	20	1774
TOT MO.	1	15	26	67	13	488
TOT YTD	42	396	476	2348	44	2178

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMNS
OCTOBER 1988

OTHER EUROPE

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	0	0	0	0	0	0
EAST GERMANY	0	0	0	0	0	0
FINLAND	0	0	1	24	1	24
GIBRALTAR	0	0	0	0	0	0
GREECE	1	79	0	0	1	79
HUNGARY	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	144	84	1	38	145	122
PORTUGAL	0	0	2	49	2	49
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	145	163	4	111	149	274

OTHER NORTH AND CENTRAL AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
BAHAMAS	0	0	0	0	0	0
BARBADOS	2	16	0	0	2	16
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	43	75	0	0	43	75
DOMINICAN REP.	1	3	1	10	2	13
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	1	2	0	13	1	15
HAITI	0	0	0	0	0	0
HONDURAS	8	12	0	0	8	12
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	4	0	4
SALVADOR	0	0	1	109	1	109
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	55	108	2	136	57	244

OTHER SOUTH AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
BOLIVIA	0	0	0	0	0	0
CHILE	13	201	2	99	15	300
ECUADOR	0	0	2	13	2	13
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	72	402	1	18	73	420
SURINAM	0	0	0	0	0	0
URAGUAY	2	13	0	0	2	13
OTHER S. AM.	0	0	0	0	0	0
TOTAL	87	616	5	130	92	746

OTHER OCEANIA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
OCTOBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	12	8	0	0	12	8
BAHRAIN	0	0	0	0	0	0
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	1	19	0	0	1	19
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	24	158	8	261	32	419
NEPAL	0	0	0	0	0	0
OMAN	8	5	0	0	8	5
PHILIPPINES	311	365	0	2	311	367
QATAR	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	4	164	9	175	13	339
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	360	719	17	438	377	1157

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	1	118	0	0	1	118
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	1	94	0	0	1	94
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	11	276	11	276
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	2	212	11	276	13	488

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED.
3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING.

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1988

RELEASED: FEBRUARY 10, 1989

		TOTAL YTD		TOTAL MO.	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3025	Gear Hobbers	63	9045	2	457
3035	Gear Shapers	12	3006	1	291
3045	Gear Cutting Machines, N.E.C.	36	1398	2	61
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1437	112317	143	11043
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	85	9219	1	242
3409	Horizontal Machining Centers, ATC, NC	589	93886	44	8083
3411	Machining Centers, NC, N.E.C.	260	48480	14	1201
3412	Single Station and Multi-Station Transfer Machines	173	61104	4	602
3413	Way Type Machines, (Unit Heads)	0	0	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	5	1149	0	0
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	39	7134	3	2480
3419	Vertical Boring-Drilling-Milling Machines, NC	106	10789	7	414
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	11	1559	0	0
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	159	5159	7	316
3328	Drilling Machines, NC	221	8993	17	1163
3329	Drilling Machines, Multi-Spindle, Non-NC	69	1054	4	35
3334	Drilling Machines, Radial, Non-NC	129	827	16	137
3336	Drilling Machines, Upright, Single Spindle, Non-NC	121	1253	6	242
3342	Drilling Machines, Non-NC, N.E.C.	468	14034	26	801
3464	Milling Machines, NC	329	26861	54	2127
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	28	1231	0	0
3467	Milling Machines, Knee Type, Non-NC	2514	15023	309	1538
3468	Milling Machines, Bed Type, Non-NC	304	10485	26	207
3469	Milling Machines, Non-NC, N.E.C.	2031	32498	154	3212
3476	Vertical Boring Machines, Incl. VTL's, NC	8	1591	0	0
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	34	1262	0	0
3481	Boring Machines, NC, N.E.C.	10	2350	0	0
3483	Boring Machines, Non-NC N.E.C.	309	7384	7	192
3504	Horizontal Lathes, Multi-Spindle, NC	131	15198	27	2498
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	2898	176434	341	17727
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	390	48443	50	5759
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	51	3700	6	287
3512	Horizontal Engine & Toolroom Lathes, Non-NC	2688	24403	421	3033
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	33	799	0	0
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	13	1213	1	68
3515	Automatic Bar Machines, Single Spindle, Non-NC	117	3384	5	52
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	41	1843	0	0
3518	Horizontal Lathes, Non-NC, N.E.C.	208	4119	21	143
3505	Vertical Lathes, Multi-Spindle, NC	58	8147	3	254
3519	Vertical Lathes, NSPF, NC	131	12093	8	586
3522	Vertical Lathes, Excl. VTL's, Non-NC	910	18904	46	1808
3527	Gear Tooth Grinding & Finishing Machines	458	22265	18	1166
3528	Tool & Cutter Grinding Machines, NC	86	6288	11	1537
3529	Tool & Cutter Grinding Machines, Non-NC	944	27862	98	1973
3533	Honing & Lapping Machines	273	14580	16	137
3539	Grinding Machines, Flat Surface, NC	49	5636	3	859
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	638	10057	109	1658
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	1812	20315	101	1116
3546	Grinding & Polishing Machines, NC, N.E.C.	160	22161	11	2257
3554	External Grinding Machines, Non-NC	285	10796	19	1088
3556	Internal Grinding Machines, Non-NC	42	4172	3	502
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	144	5481	12	508
3559	Grinding Machines, Non-NC, N.E.C.	1125	33898	145	5040
3562	Traveling Wire Electrical Discharge Machines	697	52349	61	5224
3564	All Other Electrical Discharge Machines	286	12820	24	722
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	90	11911	8	1193
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	664	9163	91	2160
3576	Metal Cutting Machines Tools, NC, N.E.C.	222	15187	24	1238
3577	Sawing & Cut-Off Machines, Non-NC	1517	20281	203	2073
3578	Broaching Machines, Non-NC	115	2182	2	224
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	1338	36231	97	2245
4000	Metal Cutting Machine Tools, Used or Rebuilt*	1505	17329	120	2580
5000	Metal Cutting Machine Tools, Less Than $2500**	847175	86432	129409	10999
	TOTAL CUTTING			132361	113551
	TOTAL CUTTING YTD	876844	1255157		
674:	METAL FORMING				
1010	Die Casting Machines	378	36073	50	9946
3582	Metal Forming Machine Tools, Used or Rebuilt	453	4488	44	371
3583	Metal Forming Machine Tools, Less Than $2500	25351	9263	1761	708
3584	Punching and Shearing Machines, Incl. Combination, NC	224	25737	17	2011
3586	Shearing Machines, Non-NC	511	9084	31	477
3587	Punching & Combination Punching & Shearing Machines, Non-NC	441	10139	49	1168
3588	Bending, Folding, Straightening & Flattening Machines, NC	227	15698	16	1181
3589	Press Brakes, Non-NC	454	13119	28	779
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	87	1434	7	93
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	974	31230	66	2599
3593	Metal Forming Machine Tools, NC, N.E.C.	149	28045	4	82
3594	Mechanical Presses, Non-NC	360	47178	27	2086
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	60	19347	2	8061
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	846	76976	73	6289
3597	Headers & Upsetters, Non-NC	86	7637	6	365
3598	Forging Machines, Non-NC, N.E.C.	96	14089	4	207
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	2227	60121	326	4994
	TOTAL FORMING			2511	41415
	TOTAL FORMING YTD	32924	409660		
	TOTAL ALL TYPES			134872	154966
	TOTAL ALL TYPES YTD	909768	1664817		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461,3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	0	0	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	2	59	0	0	0	0
3328	0	0	0	0	0	0	0	0	3	560
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	0	0	0	0	2	22
3464	0	0	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	33	231	0	0	0	0	0	0	2	440
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	1	33
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	1	21
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	16	385	0	0	0	0	0	0	3	699
3527	0	0	1	248	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	1	14	0	0	3	16
3533	0	0	0	0	1	18	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3543	4	65	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	0	0
3556	0	0	0	0	0	0	0	0	2	494
3558	0	0	0	0	0	0	0	0	3	104
3559	1	26	0	0	29	174	18	230	20	338
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	0	0	0	0	0	0	2	143	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	0	0	1	55	0	0
4000	0	0	1	157	1	5	3	14	0	0
5000	4	6	0	0	34	53	160	150	3163	321
CUT MO.	58	713	2	405	68	323	184	592	3203	3048
CUT YTD	9590	7364	278	1675	485	1466	3593	8698	9961	35742
1010	0	0	0	0	0	0	0	0	0	0
3582	1	9	0	0	0	0	1	5	1	7
3583	0	0	0	0	1	2	40	44	28	31
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	16	250	0	0	0	0	2	18
3587	0	0	0	0	0	0	0	0	4	40
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	6	222	0	0	0	0	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	1	4	0	0	0	0	2	128
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	0	0	0	0	3	15	1	39
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	1	125	0	0	1	30
3599	0	0	0	0	0	0	0	0	16	291
FRM MO	1	9	23	476	2	127	44	64	55	584
FRM YTD	104	331	991	12158	66	1378	1029	4098	2002	25804
TOT MO.	59	722	25	881	70	450	228	656	3258	3632
TOT YTD	9694	7695	1269	13833	551	2844	4622	12796	11963	61546

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1988

	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	0	0	0	0	0	0	0	0	0	0
3412	0	0	0	0	0	0	0	0	4	602
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	1	13	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	7	45	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	0	0	1	147	0	0
3464	0	0	0	0	4	82	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	58	375	0	0	0	0
3468	0	0	0	0	4	87	0	0	0	0
3469	0	0	0	0	15	138	0	0	6	161
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	1	144	0	0	0	0
3510	0	0	0	0	0	0	1	14	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	1	54
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	0	0	0	0	0	0	0	0	1	5
3527	0	0	0	0	0	0	0	0	4	348
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	6	38
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	1	200
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	1	550	0	0	1	222
3554	0	0	0	0	0	0	0	0	8	816
3556	0	0	0	0	0	0	0	0	0	0
3558	7	113	0	0	0	0	0	0	2	291
3559	0	0	0	0	3	235	20	54	17	201
3562	0	0	0	0	0	0	0	0	15	1610
3564	0	0	0	0	0	0	0	0	4	345
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	1	83	1	5	0	0
3576	0	0	0	0	0	0	0	0	1	12
3577	9	77	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	0	0	2	35	4	103
4000	1	5	0	0	0	0	2	26	8	46
5000	65	97	8	18	197	12	220	252	58	33
CUT MO.	82	292	15	63	285	1719	247	533	141	5087
CUT YTD	4743	5346	50	188	3806	15459	1676	7752	4631	59470
1010	1	36	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	2	10
3583	0	0	0	0	12	12	0	0	137	8
3584	0	0	0	0	0	0	0	0	1	43
3586	0	0	0	0	0	0	0	0	0	0
3587	0	0	0	0	18	185	0	0	1	60
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3591	0	0	0	0	0	0	7	93	0	0
3592	27	969	0	0	0	0	3	73	0	0
3593	0	0	0	0	0	0	1	16	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	0	0	0	0	0	0	0	0
3597	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	1	4	0	0
3599	3	60	0	0	2	6	6	159	7	261
FRM MO	31	1065	0	0	32	203	18	345	148	382
FRM YTD	317	3955	53	544	625	2772	671	9722	1432	16119
TOT MO	113	1357	15	63	317	1922	265	878	289	5469
TOT YTD	5060	9301	103	732	4431	18231	2347	17474	6063	75589

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1988

	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	2	457	0	0	0	0	0	0
3035	0	0	1	291	0	0	0	0	0	0
3045	1	50	1	11	0	0	0	0	0	0
3404	28	1978	1	193	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	4	580	0	0	0	0	0	0
3411	5	405	3	332	0	0	2	88	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	1	2101	0	0	0	0	1	200
3419	0	0	2	230	0	0	1	40	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	2	203	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	3	17	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	2	16
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	4	453	0	0	1	14	0	0
3464	26	879	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	40	161	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	21	99	13	295	0	0	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	1	83	0	0	0	0	5	76	0	0
3504	0	0	0	0	0	0	0	0	0	0
3506	28	838	1	208	0	0	0	0	53	320
3508	0	0	1	129	0	0	0	0	5	31
3510	0	0	4	202	0	0	0	0	0	0
3512	62	598	0	0	0	0	0	0	85	516
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	19	68
3505	0	0	1	22	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	11	164	0	0	0	0	2	57	0	0
3527	0	0	1	470	0	0	0	0	0	0
3528	1	18	1	135	0	0	0	0	0	0
3529	17	168	45	1344	0	0	8	116	0	0
3533	4	73	0	0	0	0	0	0	0	0
3539	0	0	2	659	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	5	136	0	0	11	58	2	200
3546	0	0	1	439	0	0	0	0	0	0
3554	1	28	4	92	0	0	0	0	0	0
3556	0	0	1	8	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	3	16	5	48	0	0	2	12	0	0
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	3	182	0	0	0	0	0	0
3567	1	32	0	0	0	0	0	0	0	0
3571	8	951	0	0	0	0	2	13	0	0
3576	4	160	9	596	0	0	0	0	0	0
3577	37	121	34	440	22	63	11	185	0	0
3578	2	224	0	0	0	0	0	0	0	0
3579	16	192	20	242	0	0	9	317	0	0
4000	30	221	3	452	0	0	34	261	0	0
5000	520	174	869	338	23	33	179	163	0	0
CUT MO.	867	7633	1047	11305	45	96	267	1400	167	1351
CUT YTD	9618	67335	13084	184185	331	1552	6615	15773	775	4988
1010	0	0	3	103	0	0	8	362	0	0
3582	7	40	3	143	0	0	15	71	0	0
3583	0	0	73	101	0	0	138	87	0	0
3584	0	0	13	118	0	0	0	0	0	0
3586	2	23	7	142	0	0	1	4	2	10
3587	5	19	0	0	0	0	8	248	0	0
3588	2	344	6	416	0	0	1	21	0	0
3589	0	0	0	0	0	0	9	335	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	1	13	4	423	0	0	3	16	0	0
3593	1	17	0	0	0	0	0	0	0	0
3594	0	0	2	661	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	2	333	0	0	9	77	0	0
3597	0	0	3	72	0	0	1	10	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	15	579	218	1537	0	0	33	899	0	0
FRM MO	33	1035	334	4049	0	0	226	2130	2	10
FRM YTD	856	13390	3926	42493	0	0	1605	33393	37	17177
TOT MO.	900	8668	1381	15354	45	96	493	3530	169	1361
TOT YTD	10474	80725	17010	226878	331	1552	8220	49166	812	22165

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1988

	CHINA		ISRAEL		JAPAN		KOREAN REP.		SINGAPORE	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	88	7827	0	0	10	384
3406	0	0	0	0	1	242	0	0	0	0
3409	0	0	0	0	40	7503	0	0	0	0
3411	0	0	0	0	2	246	0	0	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	1	179	0	0	0	0
3419	0	0	0	0	1	59	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	13	590	0	0	0	0
3329	0	0	0	0	1	18	0	0	0	0
3334	1	6	0	0	1	20	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	4	42	0	0	0	0
3464	0	0	0	0	4	954	0	0	6	171
3466	0	0	0	0	0	0	0	0	0	0
3467	2	38	0	0	0	0	0	0	0	0
3468	20	89	0	0	1	22	0	0	0	0
3469	0	0	0	0	11	484	1	29	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	0	0
3504	0	0	0	0	27	2498	0	0	0	0
3506	0	0	0	0	217	14631	14	716	11	217
3508	0	0	0	0	40	5274	0	0	0	0
3510	0	0	0	0	1	71	0	0	0	0
3512	11	46	0	0	0	0	55	437	27	281
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	1	68	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	2	232	0	0	0	0
3519	0	0	0	0	5	456	1	44	0	0
3522	0	0	0	0	1	96	9	269	0	0
3527	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	9	1384	0	0	0	0
3529	0	0	0	0	5	197	0	0	0	0
3533	0	0	0	0	11	46	0	0	0	0
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	6	499	0	0	85	1091
3543	0	0	0	0	15	187	0	0	0	0
3546	0	0	0	0	8	1046	0	0	0	0
3554	0	0	0	0	2	121	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	3	44	0	0	18	3644	0	0	0	0
3562	0	0	0	0	42	3559	0	0	0	0
3564	0	0	0	0	4	62	0	0	0	0
3567	0	0	0	0	7	1161	0	0	0	0
3571	0	0	0	0	78	1030	0	0	0	0
3576	0	0	0	0	10	470	0	0	0	0
3577	0	0	1	46	39	741	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	44	1289	0	0	0	0
4000	0	0	0	0	24	1239	0	0	0	0
5000	11542	372	69	6	12915	2158	9	9	0	0
CUT MO.	11579	595	70	52	13699	60345	89	1504	139	2144
CUT YTD	43030	5365	377	1940	80751	691539	1656	10733	787	8839
1010	0	0	0	0	3	9425	0	0	0	0
3582	0	0	0	0	13	69	1	17	0	0
3583	0	0	0	0	105	35	34	4	0	0
3584	0	0	0	0	3	1850	0	0	0	0
3586	0	0	0	0	1	30	0	0	0	0
3587	0	0	0	0	8	597	0	0	0	0
3588	1	14	0	0	6	386	0	0	0	0
3589	0	0	0	0	2	59	1	22	10	141
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	2	14	18	940	0	0	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	25	1425	0	0	0	0
3595	0	0	0	0	1	8046	0	0	0	0
3596	0	0	0	0	12	5428	0	0	0	0
3597	0	0	0	0	2	283	0	0	0	0
3598	0	0	0	0	1	48	0	0	0	0
3599	0	0	0	0	21	1078	0	0	0	0
FRM MO	1	14	2	14	223	29699	36	43	10	141
FRM YTD	24	181	63	968	7868	213418	104	283	314	1353
TOT MO.	11580	609	72	66	13922	90044	125	1547	149	2285
TOT YTD	43054	5546	440	2908	88619	904957	1760	11016	1101	10192

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
OCTOBER 1988

	TAIWAN		AUSTRALIA		ALL OTHERS	
674	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0
3035	0	0	0	0	0	0
3045	0	0	0	0	0	0
3404	16	661	0	0	0	0
3406	0	0	0	0	0	0
3409	0	0	0	0	0	0
3411	1	70	0	0	1	60
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	0	0	0	0	0	0
3418	0	0	0	0	0	0
3419	3	85	0	0	0	0
3422	0	0	0	0	0	0
3423	2	42	0	0	1	12
3328	0	0	0	0	0	0
3329	0	0	0	0	0	0
3334	5	50	0	0	0	0
3336	4	18	0	0	2	224
3342	14	123	0	0	0	0
3464	14	41	0	0	0	0
3466	0	0	0	0	0	0
3467	209	964	0	0	0	0
3468	1	9	0	0	0	0
3469	47	394	1	900	4	41
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	0	0
3483	0	0	0	0	0	0
3504	0	0	0	0	0	0
3506	15	731	0	0	2	66
3508	3	181	0	0	0	0
3510	0	0	0	0	0	0
3512	160	980	0	0	21	175
3513	0	0	0	0	0	0
3514	0	0	0	0	0	0
3515	5	52	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3505	0	0	0	0	0	0
3519	0	0	0	0	2	86
3522	3	133	0	0	0	0
3527	12	100	0	0	0	0
3528	0	0	0	0	0	0
3529	12	45	0	0	1	35
3533	0	0	0	0	0	0
3539	0	0	0	0	0	0
3541	18	68	0	0	0	0
3543	64	470	0	0	0	0
3546	0	0	0	0	0	0
3554	4	31	0	0	0	0
3556	0	0	0	0	0	0
3558	0	0	0	0	0	0
3559	6	18	0	0	0	0
3562	4	55	0	0	0	0
3564	4	46	9	87	0	0
3567	0	0	0	0	0	0
3571	0	0	1	78	0	0
3576	0	0	0	0	0	0
3577	48	257	0	0	0	0
3578	0	0	0	0	0	0
3579	0	0	0	0	1	12
4000	10	33	0	0	3	121
5000	99239	6788	0	0	135	16
CUT MO.	99923	12445	11	1065	173	848
CUT YTD	626758	107870	360	2724	53889	8964
1010	0	0	0	0	35	20
3582	0	0	0	0	0	0
3583	1128	297	0	0	65	87
3584	0	0	0	0	0	0
3586	0	0	0	0	0	0
3587	1	4	0	0	4	15
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3591	0	0	0	0	0	0
3592	5	19	0	0	0	0
3593	2	49	0	0	0	0
3594	0	0	0	0	0	0
3595	1	15	0	0	0	0
3596	37	172	0	0	9	225
3597	0	0	0	0	0	0
3598	0	0	0	0	0	0
3599	0	0	0	0	3	128
FRM MO	1174	556	0	0	116	471
FRM YTD	9970	5731	8	215	859	4175
TOT MO.	101097	13001	11	1065	289	1319
TOT YTD	636728	113601	368	2939	54748	13139

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
OCTOBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	6	133	0	0	6	133
EAST GERMANY	4	41	0	0	4	41
FINLAND	1	12	13	181	14	193
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	0	0	0	0
HUNGARY	2	86	0	0	2	86
ICELAND	0	0	0	0	0	0
IRELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	0	0	35	20	35	20
POLAND	20	436	0	0	20	436
ROMANIA	0	0	0	0	0	0
USSR	0	0	0	0	0	0
OTHER EUROPE	1	35	0	0	1	35
TOTAL	34	743	48	201	82	944
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
MEXICO	1	1	40	84	41	85
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	1	1	40	84	41	85
OTHER SOUTH AMERICA						
ARGENTINA	2	66	1	47	3	113
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	0	0	0	0	0	0
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	2	66	1	47	3	113
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
OCTOBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	0	0	0	0	0	0
INDIA	135	27	4	15	139	42
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	1	1	1	1
TOTAL	135	27	5	16	140	43
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	1	11	1	115	2	126
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP. S. AFRICA	0	0	21	8	21	8
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	1	11	22	123	23	134

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING. 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES.

A8620-3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL

No. 30-89 March 10, 1989

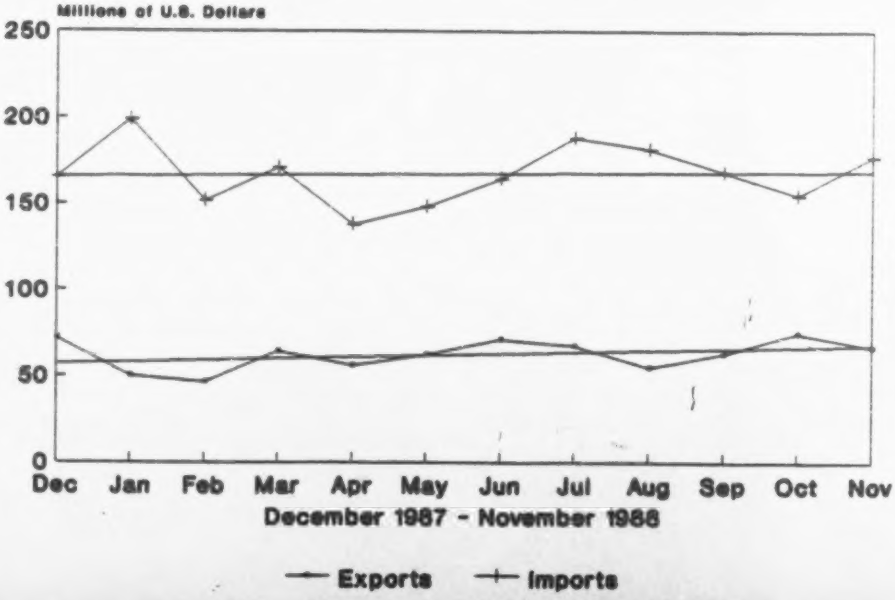
U.S. FOREIGN TRADE IN MACHINE TOOLS - NOVEMBER 1988

U.S. machine tool exports are up over 17% to $678.2 million for the eleven months through November 1988. Year-to-date imports are up just under one percent compared with the same time period in 1987. During November 1988, U.S. machine tool exports fell 11% from October and imports increased 15% from their previous month's level. The U.S. machine tool trade deficit for January through November 1988 improved by 7% from the same time period in 1987.

U.S. Machine Tool Trade
($Millions)

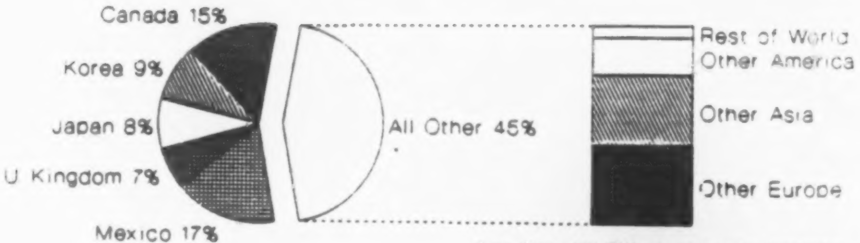
	November 1988			Eleven Month Total		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$ 41.9	$123.6	($ 81.7)	$392.2	$1,378.8	($ 986.6)
Metal Forming	$ 24.8	$ 53.8	($ 29.0)	$286.0	$ 463.5	($ 177.5)
Total	$ 66.7	$177.5	($110.7)	$678.2	$1,842.3	($1,164.1)

U.S. Foreign Trade in Machine Tools



November 1988 U.S. exports of metal forming machine tools increased by 13% over October, while metal cutting exports fell by 21%. Compared with January through November 1987, metal cutting machine tool exports are up 14%, while metal forming exports are up 21%. For the first eleven months of 1988, the leading export markets were (in millions): Mexico ($112.0), Canada ($99.0), Japan ($56.3), the Republic of Korea ($61.9) and the United Kingdom ($46.1).

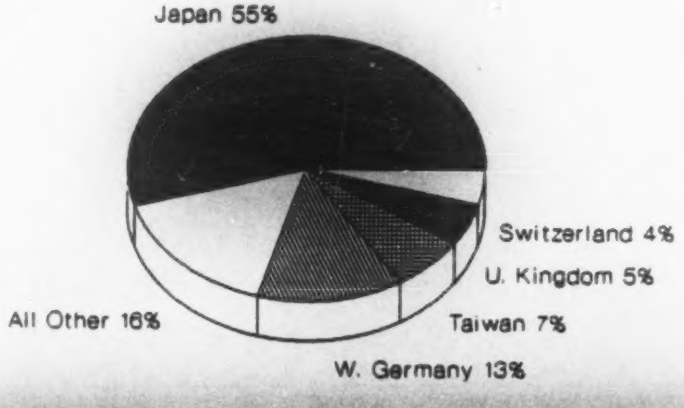
LEADING U.S. EXPORT MARKETS
January - November 1988
(% Based on U. S. Dollar Values)



Leading All Other markets include:
America - Venezuela and Brazil
Asia - China and Taiwan
Europe - W. Germany and Italy

U.S. imports of metal forming machines are down over 9% for January through November, while metal cutting imports are up 5% compared with the same time period in 1987. In November, metal forming imports jumped 30%, and metal cutting imports increased 9% compared with October. The leading exporters to the United States during January through November 1988 were (in millions): Japan ($1,006.2), West Germany ($242.9), Taiwan ($123.8), the United Kingdom ($92.2) and Switzerland ($81.2).

MAJOR U.S. IMPORT SOURCES
January - November 1988
(% Based on U.S. Dollar Values)



U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
NOVEMBER 1988

RELEASED: MARCH 10, 1989

		TOTAL YTD		TOTAL MO	
674:	METAL CUTTING	UNITS	$000	UNITS	$000
3020	Gear Hobbers & Shapers	81	8323	1	437
3045	Gear Cutting Machines, N.E.C.	70	16680	15	3508
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	90	7149	3	317
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	11	2923	1	390
3209	Horizontal Machining Centers, ATC, NC	43	9251	12	2189
3211	Machining Centers, NC, N.E.C.	103	7732	19	1202
3216	Single Station and Multi-Station Transfer Machines	22	12422	3	1369
3225	Way Type Machines (Unit Heads)	11	1031	0	0
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	3	1042	1	350
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	5	1803	0	0
3247	Vertical Boring-Drilling-Milling Machines, NC	10	1524	0	0
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	8	1074	2	321
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	39	2198	5	97
3254	Drilling Machines, NC	41	3459	0	0
3255	Drilling Machines, Multi-Spindle, Non-NC	24	1848	1	90
3256	Drilling Machines, Radial, Non-NC	18	665	1	42
3257	Drilling Machines, Upright, Single Spindle, Non-NC	11	279	0	0
3258	Drilling Machines, Non-NC, N.E.C.	180	3672	60	685
3264	Milling Machines, NC	16	7133	1	2830
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	41	6207	0	0
3267	Milling Machines, Knee Type, Non-NC	3	139	0	0
3268	Milling Machines, Bed Type, Non-NC	12	1068	0	0
3269	Milling Machines, Non-NC, N.E.C.	161	9738	14	1422
3276	Vertical Boring Machines, Incl. VTLs, NC	3	1318	0	0
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	94	4335	14	326
3281	Boring Machines, NC, N.E.C.	6	387	1	64
3283	Boring Machines, Non-NC, N.E.C.	98	4710	7	423
3503	Horizontal Lathes, Multi-Spindle, NC	44	10130	3	578
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	125	9704	7	731
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	23	3824	1	321
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	7	2144	0	0
3510	Horizontal Engine & Toolroom Lathes, Non-NC	99	2930	19	182
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	20	2148	0	0
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	9	725	0	0
3515	Automatic Bar Machines, Single-Spindle, Non-NC	32	753	2	16
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	42	1706	4	218
3518	Horizontal Lathes, Non-NC, N.E.C.	373	9230	57	2108
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	6	612	3	174
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	14	781	0	0
3525	Vertical Lathes, Excl. VTLs, Non-NC	111	6341	18	1149
3528	Grinding, Polishing, Honing & Lapping Machines, NC	260	37099	41	1984
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	45	1809	2	49
3531	Tool & Cutter Grinding Machines, Non-NC	381	6756	33	925
3532	Honing & Lapping Machines, Non-NC	525	6343	38	442
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	148	2573	10	339
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	337	33131	30	2637
3541	External Grinding Machines, Non-NC	19	3525	0	0
3542	Internal Grinding Machines, Non-NC	44	6303	1	297
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	280	9794	9	88
3546	Grinding Machines, Non-NC, N.E.C.	282	12171	16	1054
3547	Traveling Wire Electrical Discharge Machines	33	1330	2	13
3549	All Other Electrical Discharge Machines	216	2800	12	46
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	13	685	1	67
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	88	3376	8	179
3559	Metal Cutting Machine Tools, NC, N.E.C.	139	6556	31	845
3565	Sawing & Cut-Off Machines, Non-NC	617	11145	86	3116
3566	Broaching Machines, Non-NC	22	3577	1	695
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	257	5772	24	215
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	6477	53817	607	5708
5000	Metal Cutting Machine Tools, Less Than $2500**	27936	15024	3333	1654
	TOTAL CUTTING			4560	4188
	TOTAL CUTTING YTD	40228	392212		
674:	METAL FORMING				
1011	Die Casting Machines & Parts	0	18017	0	1228
3568	Metal Forming Machine Tools, Used Or Rebuilt	979	14530	53	1085
3569	Metal Forming Machine Tools, Less Than $2500	5527	3494	215	153
3571	Punching & Shearing Machines, Incl. Combination, NC	94	15067	9	1393
3573	Shearing Machines, Non-NC	128	3624	21	357
3575	Punching & Combination Punching & Shearing Machines, Non-NC	979	22169	131	2484
3578	Bending, Folding, Straightening & Flattening Machines, NC	122	6104	5	266
3582	Press Brakes, Non-NC	93	4747	8	805
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	17	1663	2	294
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	887	29359	72	1427
3588	Mechanical Presses	267	26894	32	4454
3589	Hydraulic Presses, Vertical, Single Action	105	6830	5	1868
3590	Hydraulic & Pneumatic Presses	1083	50372	44	1635
3594	Headers & Upsetters, Non-NC	87	19755	3	1630
3595	Forging Machines, Non-NC, N.E.C.	159	3785	4	440
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	1215	59979	98	5332
	TOTAL FORMING			702	24848
	TOTAL FORMING YTD	11742	285995		
	TOTAL ALL TYPES			5262	66731
	TOTAL ALL TYPES YTD	51970	678207		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554.

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	1	3	0	0	0	0	1	28
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	1	97	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	1	21	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	0	0	1	27	0	0	2	4	0	0
5000	0	0	6	4	0	0	40	28	0	0
CUT MO.	0	0	8	34	1	97	43	53	1	28
CUT YTD	88	804	402	4834	9	505	504	7361	34	1301
1011	0	78	0	0	0	0	0	0	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	36	8	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	0	0	0	0	1	3	12	145
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	1	31	0	0
3588	0	0	0	0	0	0	1	455	0	0
3589	0	0	0	0	0	0	0	0	1	768
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
FRM MO.	0	78	0	0	0	0	39	497	13	913
FRM YTD	31	479	156	1212	69	277	553	8429	31	1618
TOT MO.	0	78	8	34	1	97	82	550	14	941
TOT YTD	119	1283	558	6046	78	782	1057	15790	65	2919

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	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	1	437	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	2	12	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	1	3
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	1	20	0	0	0	0	0	0	1	125
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	1	100	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	1	46	0	0
3518	1	12	2	18	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	2	513	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	1	5	0	0	1	91	0	0
3532	1	4	0	0	1	13	0	0	2	19
3533	0	0	3	38	0	0	0	0	0	0
3538	0	0	1	84	3	31	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	5	57	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	1	2	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	4	96	0	0	0	0	0	0	0	0
3559	28	687	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	1	11	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	1	121	0	0	0	0	1	6	0	0
5000	0	0	0	0	0	0	5	3	0	0
CUT MO.	40	1892	14	214	4	44	10	257	4	147
CUT YTD	709	11834	351	2734	10	94	345	2070	192	2186
1011	0	0	0	13	0	0	0	0	0	7
3568	1	23	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	0	0	1	2
3571	0	0	2	529	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	3	42	0	0	0	0	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	0	0	0	0	0	0
3588	2	701	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	4	32	5	75	0	0	1	9	0	0
FRM MO.	10	798	7	617	0	0	1	9	1	9
FRM YTD	125	7338	162	3842	1	50	90	5045	83	1169
TOT MO.	50	2690	21	831	4	44	11	266	5	156
TOT YTD	834	19172	513	6576	11	144	435	7115	275	3355

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	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	4	398	0	0	0	0	0	0
3204	0	0	1	30	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	1	316	0	0
3211	0	0	8	491	0	0	4	267	0	0
3216	0	0	1	105	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	37	110	0	0	3	270	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	4	100	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	9	162	0	0	1	15	0	0
3281	0	0	1	64	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	1	127	0	0	0	0	0	0
3505	0	0	2	120	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	2	42	2	30	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	1	59	0	0
3518	3	13	1	25	0	0	2	48	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	3	108	0	0	9	836	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	2	77	0	0	1	42	0	0
3532	0	0	9	111	0	0	2	24	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	3	457	0	0	2	216	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	3	5	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	1	16	0	0	0	0	1	122	0	0
3565	0	0	0	0	0	0	5	41	0	0
3566	0	0	1	695	0	0	0	0	0	0
3567	1	7	5	35	0	0	0	0	0	0
4000	0	0	21	358	0	0	36	234	0	0
5000	0	0	348	106	0	0	126	57	0	0
CUT MO.	7	78	466	3714	0	0	194	2547	0	0
CUT YTD	259	2347	2897	28562	71	1155	1511	16503	3	191
1011	0	14	0	20	0	0	0	25	0	3
3568	2	39	0	0	0	0	0	0	3	50
3569	0	0	8	3	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	13	4	39	0	0	5	64	0	0
3578	2	81	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	6	10	280	0	0	6	77	0	0
3588	0	0	0	0	0	0	1	131	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	1	197	1	64	1	500	0	0
3594	0	0	0	0	0	0	1	644	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	9	1807	0	0	1	6	0	0
FRM MO.	6	153	32	2346	1	64	15	1447	3	53
FRM YTD	54	1693	452	17492	3	116	1236	21461	8	888
TOT MO.	13	231	498	6060	1	64	209	3994	3	53
TOT YTD	313	4040	3349	46054	74	1271	2747	37964	11	1079

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	OTH EUROPE		CANADA		MEXICO		OTH N & C		ARGENTINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	3	183	0	0	0	0
3204	0	0	1	169	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	2	1264	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	3	85	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	1	90	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	1	7	4	43	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	2	13	5	1150	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	2	121	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	1	60	2	95	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	1	60	1	121	0	0	0	0
3507	0	0	1	321	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	6	26	8	58	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	1	4	0	0	0	0	0	0
3516	0	0	2	113	0	0	0	0	0	0
3518	0	0	1	5	12	450	0	0	1	5
3521	0	0	0	0	3	174	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	3	62	0	0	0	0
3528	0	0	0	0	2	45	0	0	0	0
3529	0	0	2	49	0	0	0	0	0	0
3531	0	0	14	111	6	55	0	0	0	0
3532	0	0	5	56	4	64	2	20	0	0
3533	0	0	0	0	2	90	0	0	0	0
3538	0	0	0	0	8	167	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	1	297	0	0	0	0	0	0
3544	0	0	2	9	0	0	0	0	0	0
3546	0	0	1	3	10	183	0	0	0	0
3547	0	0	1	5	0	0	0	0	0	0
3549	1	2	5	24	1	5	0	0	0	0
3551	0	0	0	0	1	67	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	1	7	8	160	23	259	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	7	36	1	16	0	0
4000	2	19	59	280	395	809	0	0	0	0
5000	11	6	1158	358	628	409	76	10	0	0
CUT MO.	15	34	1274	2220	1135	5995	79	46	1	5
CUT YTD	473	9778	11816	55776	7536	79457	504	1409	133	1354
1011	0	10	0	315	0	233	0	10	0	0
3568	0	0	9	120	16	184	1	10	0	0
3569	0	0	111	53	19	29	3	3	0	0
3571	1	270	1	38	0	0	0	0	0	0
3573	0	0	3	46	18	311	0	0	0	0
3575	2	30	15	511	11	101	3	189	0	0
3578	1	110	1	21	0	0	0	0	0	0
3582	0	0	4	658	1	92	0	0	0	0
3583	0	0	1	141	0	0	0	0	0	0
3584	9	119	10	57	21	350	0	0	0	0
3588	0	0	1	204	12	193	0	0	0	0
3589	0	0	0	0	1	20	0	0	0	0
3590	0	0	2	13	23	429	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	1	6	1	397	0	0	0	0
3598	0	0	12	210	31	820	0	0	0	0
FRM MO.	13	539	171	2393	154	3159	7	212	0	0
FRM YTD	124	2913	3209	43270	2294	32534	152	1508	51	2340
TOT MO.	28	573	1445	4613	1289	9154	86	258	1	5
TOT YTD	597	12691	15025	99046	9830	111991	656	2917	184	3694

U S EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	BRAZIL		COLOMBIA		VENEZUELA		OTH. S. AM		CHINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	3	2245	0	0	0	0	0	0	4	348
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	1	390
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	1	350
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	1	42	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	4	99	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	3	430	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	1	12	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	1	147	0	0	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	1	333	0	0	0	0	0	0	0	0
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	0	0	0	0	2	15	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	2	96	0	0	0	0	0	0	2	768
3547	1	8	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	1	22	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	2	10	0	0	0	0	0	0	4	1870
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	15	0	0	0	0	0	0
4000	5	379	23	308	20	1745	1	44	15	1081
5000	17	20	5	9	158	122	34	54	0	0
CUT MO	35	3668	31	386	184	1981	36	120	27	4807
CUT YTD	236	9195	251	2880	3116	14117	352	2213	422	24237
1011	0	0	0	0	0	0	0	0	0	0
3568	5	60	9	181	0	0	1	20	0	0
3569	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	2	8	0	0	0	0	1	7	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	1	25	0	0	0	0
3583	0	0	1	153	0	0	0	0	0	0
3584	1	7	1	8	0	0	0	0	2	10
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	4	21	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	1	11	0	0	13	466	0	0	2	39
FRM MO	9	86	11	342	18	512	2	27	4	49
FRM YTD	85	9525	118	1939	248	8648	55	1393	134	7478
TOT MO	44	3754	42	728	202	2493	38	147	31	4856
TOT YTD	321	18720	369	4819	3364	22765	407	3606	556	31715

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	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	1	334	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	10	1193
3211	0	0	0	0	0	0	0	0	4	280
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	9	138
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	1	16	0	0	0	0	1	12	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	2	19	0	0	0	0	0	0	9	468
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	6	258	0	0	0	0	1	160
3528	0	0	0	0	0	0	0	0	26	881
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	3	21
3532	0	0	0	0	0	0	0	0	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	1	290	0	0	0	0	0	0	2	165
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	2	22	0	0	0	0	0	0	0	0
3546	1	4	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	1	8	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	35	625	1	43	0	0	2	22
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	0	0	0	0
4000	1	2	0	0	0	0	0	0	6	58
5000	3	6	0	0	4	6	27	16	442	232
CUT MO.	11	359	42	1217	6	57	28	28	514	3618
CUT YTD	281	2450	257	7274	118	394	196	3670	2021	25237
1011	0	10	0	12	0	0	0	0	0	31
3568	0	0	0	0	0	0	0	0	3	56
3569	1	2	0	0	0	0	9	8	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	5	200	0	0	0	0	2	170	13	336
3578	0	0	0	0	0	0	0	0	1	54
3582	0	0	0	0	1	20	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	1	7	0	0	0	0	0	0	3	68
3588	2	28	0	0	0	0	0	0	2	169
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	0	0	0	0	0	0	9	103
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	1	23	0	0	0	0	1	20
FRM MO	9	247	1	35	1	20	11	178	32	837
FRM YTD	172	4070	63	2108	10	511	38	2333	567	31105
TOT MO.	20	606	43	1252	7	77	39	206	546	4455
TOT YTD	453	6520	320	9382	128	905	234	6003	2588	56342

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	KOREAN REP		PAKISTAN		S. ARABIA		SINGAPORE		TAIWAN	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	1	118	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	1	680	0	0	0	0	0	0	0	0
3211	1	38	0	0	0	0	0	0	2	126
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	2	321	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	0	0	0	0
3264	1	2830	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	1	14
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	3	168	0	0	0	0	0	0	0	0
3503	2	451	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	1	26
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	10	768	0	0	1	6	1	3	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	4	102	0	0	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	1	7	0	0	0	0	0	0	2	86
3532	3	43	0	0	0	0	0	0	2	27
3533	0	0	0	0	0	0	0	0	4	47
3538	2	292	0	0	0	0	3	310	2	500
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	1	21	0	0	0	0	1	11	1	29
3559	0	0	0	0	0	0	1	20	0	0
3565	2	37	0	0	0	0	1	10	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	1	4	0	0
4000	4	125	0	0	0	0	8	56	0	0
5000	7	10	0	0	12	20	50	53	12	13
CUT MO.	44	5893	0	0	13	26	67	585	27	868
CUT YTD	897	38671	82	1381	258	607	1173	6134	792	11227
1011	0	0	0	0	0	0	0	0	0	0
3568	3	342	0	0	0	0	0	0	0	0
3569	0	0	0	0	0	0	3	4	1	2
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	1	29	0	0	0	0	0	0	1	31
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	0	0	2	99	1	5	1	250
3588	2	1367	0	0	0	0	0	0	9	1206
3589	3	1080	0	0	0	0	0	0	0	0
3590	1	270	0	0	0	0	0	0	0	0
3594	1	411	0	0	0	0	0	0	0	0
3595	2	37	0	0	0	0	0	0	0	0
3598	2	390	0	0	1	338	6	694	0	0
FRM MO.	15	3926	0	0	3	437	10	703	12	1489
FRM YTD	329	23274	8	324	38	1579	155	2408	113	10585
TOT MO.	59	9819	0	0	16	463	77	1288	39	2357
TOT YTD	1226	61945	90	1705	296	2186	1328	8542	905	21812

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TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
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	TURKEY		OTHER ASIA		AUSTRALIA		NEW ZEALAND		OTH OCEANIA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	0	0	0	0	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	1	15	0	0	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	0	0	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	8	90	0	0	0	0	0	0
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	1	114	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	0	0	0	0	0	0	0	0
3532	1	6	0	0	1	5	0	0	0	0
3533	1	164	0	0	0	0	0	0	0	0
3538	0	0	0	0	1	110	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	0	0	0	0	0	0	0	0
3544	0	0	0	0	0	0	0	0	0	0
3546	0	0	0	0	0	0	0	0	0	0
3547	0	0	0	0	0	0	0	0	0	0
3549	0	0	0	0	0	0	0	0	0	0
3551	0	0	0	0	0	0	0	0	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	0	0	0	0	0	0
3565	0	0	0	0	0	0	0	0	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	3	15	2	72	3	15	0	0
4000	0	0	1	10	5	42	0	0	0	0
5000	0	0	33	19	64	46	19	7	0	0
CUT MO.	3	284	45	134	74	290	22	22	0	0
CUT YTD	54	3545	686	2683	492	3370	126	310	3	6
1011	0	0	0	257	0	14	0	0	0	0
3568	0	0	0	0	0	0	0	0	0	0
3569	0	0	0	0	23	39	0	0	0	0
3571	0	0	4	233	1	323	0	0	0	0
3573	0	0	0	0	0	0	0	0	0	0
3575	0	0	16	50	31	491	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3582	0	0	1	10	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	0	0	1	23	1	30	0	0	0	0
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	0	0	0	0	0	0	0	0
3590	0	0	1	31	0	0	1	7	0	0
3594	0	0	1	575	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3598	0	0	8	392	0	0	0	0	0	0
FRM MO.	0	0	32	1571	56	897	1	7	0	0
FRM YTD	22	2174	331	10964	302	8013	19	1902	0	3
TOT MO.	3	284	77	1705	130	1187	23	29	0	0
TOT YTD	76	5719	1017	13647	794	11383	145	2212	3	9

U.S. EXPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
NOVEMBER 1988

	EGYPT		REP. S. AFR		OTH. AFRICA	
674	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0
3045	0	0	0	0	0	0
3204	0	0	0	0	0	0
3206	0	0	0	0	0	0
3209	0	0	0	0	0	0
3211	0	0	0	0	0	0
3216	0	0	0	0	0	0
3225	0	0	0	0	0	0
3245	0	0	0	0	0	0
3246	0	0	0	0	0	0
3247	0	0	0	0	0	0
3248	0	0	0	0	0	0
3249	0	0	0	0	0	0
3254	0	0	0	0	0	0
3255	0	0	0	0	0	0
3256	0	0	0	0	0	0
3257	0	0	0	0	0	0
3258	0	0	0	0	0	0
3264	0	0	0	0	0	0
3266	0	0	0	0	0	0
3267	0	0	0	0	0	0
3268	0	0	0	0	0	0
3269	0	0	0	0	0	0
3276	0	0	0	0	0	0
3277	0	0	0	0	0	0
3281	0	0	0	0	0	0
3283	0	0	0	0	0	0
3503	0	0	0	0	0	0
3505	0	0	0	0	0	0
3507	0	0	0	0	0	0
3509	0	0	0	0	0	0
3510	0	0	0	0	0	0
3511	0	0	0	0	0	0
3512	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3521	0	0	0	0	0	0
3523	0	0	0	0	0	0
3525	0	0	2	54	0	0
3528	0	0	0	0	0	0
3529	0	0	0	0	0	0
3531	0	0	0	0	0	0
3532	2	37	3	13	0	0
3533	0	0	0	0	0	0
3538	0	0	0	0	0	0
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	0	0	0	0
3547	0	0	0	0	0	0
3549	0	0	0	0	0	0
3551	0	0	0	0	0	0
3553	0	0	0	0	0	0
3559	0	0	0	0	0	0
3565	0	0	0	0	0	0
3566	0	0	0	0	0	0
3567	0	0	0	0	0	0
4000	0	0	0	0	0	0
5000	0	0	48	40	0	0
CUT MO.	2	37	53	107	0	0
CUT YTD	41	289	503	2195	24	404
1011	0	0	0	0	0	176
3568	0	0	0	0	0	0
3569	0	0	0	0	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	1	18	1	7	0	0
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	0	0	0	0	0	0
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	0	0	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	0	0	0	0
FRM MO.	1	18	1	7	0	176
FRM YTD	4	162	27	267	20	1950
TOT MO.	3	55	54	114	0	176
TOT YTD	45	451	530	2462	44	2354

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMNS
NOVEMBER 1988

OTHER EUROPE

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	6	0	6
CZECHOSLOVAKIA	0	0	1	110	1	110
EAST GERMANY	0	0	0	0	0	0
FINLAND	2	19	4	51	6	70
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	1	16	1	16
HUNGARY	0	0	1	270	1	270
ICELAND	1	7	0	0	1	7
MALTA	0	0	0	0	0	0
NORWAY	11	6	6	86	17	92
PORTUGAL	1	2	0	0	1	2
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	15	34	13	539	28	573

OTHER NORTH AND CENTRAL AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	8	23	0	6	8	29
DOMINICAN REP	60	4	0	0	60	4
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	10	3	1	14	11	17
LW & WW IS.	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	3	189	3	189
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	1	16	3	3	4	19
TOTAL	79	46	7	212	86	258

OTHER SOUTH AMERICA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
BOLIVIA	4	3	0	0	4	3
CHILE	8	38	1	20	9	58
ECUADOR	24	79	0	0	24	79
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	1	7	1	7
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	36	120	2	27	38	147

OTHER OCEANIA

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

U.S. EXPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF DESTINATION
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
NOVEMBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	11	5	0	0	11	5
BAHRAIN	0	0	0	0	0	0
BANGALDESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	15	10	0	0	15	10
JORDAN	0	0	0	156	0	156
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	7	82	21	201	28	283
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PHILIPPINES	10	19	7	377	17	396
QATAR	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	2	18	4	837	6	855
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	45	134	32	1571	77	1705
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	176	0	176
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	0	0	0	176	0	176

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. EM522; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'0-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING.

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
NOVEMBER 1988

RELEASED MARCH 10, 1989

		TOTAL YTD		TOTAL MO	
674	METAL CUTTING	UNITS	$000	UNITS	$000
3025	Gear Hobbers	67	9446	4	401
3035	Gear Shapers	12	3006	0	0
3045	Gear Cutting Machines, N.E.C	40	2702	4	1304
3404	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	1620	126793	183	14476
3406	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	93	10438	8	1219
3409	Horizontal Machining Centers, ATC, NC	612	99305	23	5419
3411	Machining Centers, NC, N.E.C	292	54537	32	6057
3412	Single Station and Multi-Station Transfer Machines	178	63583	5	2479
3413	Way Type Machines, (Unit Heads)	0	0	0	0
3417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	9	1445	4	296
3418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	41	8327	2	1193
3419	Vertical Boring-Drilling-Milling Machines, NC	116	11554	10	765
3422	Horiz. Boring-Drilling-Milling Machines, Non-NC	14	1658	3	99
3423	Vertical Boring-Drilling-Milling Machines, Non-NC	160	5169	1	10
3328	Drilling Machines, NC	230	9406	9	413
3329	Drilling Machines, Multi-Spindle, Non-NC	69	1054	0	0
3334	Drilling Machines, Radial, Non-NC	161	1063	32	236
3336	Drilling Machines, Upright, Single Spindle, Non-NC	148	1432	27	179
3342	Drilling Machines, Non-NC, N.E.C.	487	14526	19	492
3464	Milling Machines, NC	378	29496	49	2635
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	29	1262	1	31
3467	Milling Machines, Knee Type, Non-NC	2854	16944	340	1921
3468	Milling Machines, Bed Type, Non-NC	310	10902	6	417
3469	Milling Machines, Non-NC, N.E.C.	2101	34768	70	2270
3476	Vertical Boring Machines, Incl. VTL's, NC	9	1972	1	381
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	41	1538	7	276
3481	Boring Machines, NC, N.E.C.	11	2527	1	177
3483	Boring Machines, Non-NC N.E.C.	336	8618	27	1234
3504	Horizontal Lathes, Multi-Spindle, NC	149	17579	18	2381
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	3158	194758	260	18324
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	436	54682	46	6239
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	52	3717	1	17
3512	Horizontal Engine & Toolroom Lathes, Non-NC	3004	26943	316	2540
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	33	799	0	0
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	15	1232	2	19
3515	Automatic Bar Machines, Single Spindle, Non-NC	117	3384	0	0
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	43	1888	2	45
3518	Horizontal Lathes, Non-NC, N.E.C.	215	4694	7	575
3505	Vertical Lathes, Multi-Spindle, NC	64	8960	6	813
3519	Vertical Lathes, NSPF, NC	148	13642	17	1549
3522	Vertical Lathes, Excl. VTL's, Non-NC	981	20521	71	1617
3527	Gear Tooth Grinding & Finishing Machines	489	23271	31	1006
3528	Tool & Cutter Grinding Machines, NC	106	7240	20	952
3529	Tool & Cutter Grinding Machines, Non-NC	1007	29352	63	1490
3533	Honing & Lapping Machines	305	15171	32	591
3539	Grinding Machines, Flat Surface, NC	56	6933	7	1297
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	685	10652	47	595
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	1911	22130	99	1815
3546	Grinding & Polishing Machines, NC, N.E.C.	165	23041	5	880
3554	External Grinding Machines, Non-NC	296	11280	11	484
3556	Internal Grinding Machines, Non-NC	46	4258	4	86
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	161	5868	17	387
3559	Grinding Machines, Non-NC, N.E.C.	1271	38761	146	4863
3562	Traveling Wire Electrical Discharge Machines	777	58852	80	6503
3564	All Other Electrical Discharge Machines	327	14057	41	1237
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	102	13147	12	1236
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	691	11075	27	1912
3576	Metal Cutting Machines Tools, NC, N.E.C.	247	16755	25	1568
3577	Sawing & Cut-Off Machines, Non-NC	1725	23170	208	2889
3578	Broaching Machines, Non-NC	116	2186	1	4
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	1457	39132	119	2901
4000	Metal Cutting Machine Tools, Used or Rebuilt*	1843	19914	338	2585
5000	Metal Cutting Machine Tools, Less Than $2500**	952418	96284	105243	9852
	TOTAL CUTTING			108190	123627
	TOTAL CUTTING YTD	985034	1378784		
674	METAL FORMING				
1010	Die Casting Machines	403	38374	25	2301
3582	Metal Forming Machine Tools, Used or Rebuilt	488	4954	35	466
3583	Metal Forming Machine Tools, Less Than $2500	27894	10079	2543	816
3584	Punching and Shearing Machines, Incl. Combination, NC	231	26759	7	1022
3586	Shearing Machines, Non-NC	624	10933	113	1849
3587	Punching & Combination Punching & Shearing Machines, Non-NC	496	10558	55	419
3588	Bending, Folding, Straightening & Flattening Machines, NC	244	18200	17	2502
3589	Press Brakes, Non-NC	498	14313	44	1194
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	88	1471	1	37
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	1070	33111	96	1881
3593	Metal Forming Machine Tools, NC, N.E.C.	157	47864	8	19819
3594	Mechanical Presses, Non-NC	390	54056	30	6878
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	74	23821	14	4474
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	887	79959	41	2983
3597	Headers & Upsetters, Non-NC	92	9236	6	1599
3598	Forging Machines, Non-NC, N.E.C.	117	14227	21	138
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	2432	65572	205	5451
	TOTAL FORMING			3261	53825
	TOTAL FORMING YTD	36185	463485		
	TOTAL ALL TYPES			111451	177452
	TOTAL ALL TYPES YTD	1021219	1842269		

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3415, 3326, 3461,3472, 3502, 3524, & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3100, 3462, 3473, 3503, 3526, & 3574

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
NOVEMBER 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	2	353	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	0	0	0	0
3411	0	0	0	0	0	0	0	0	3	1182
3412	0	0	0	0	0	0	0	0	1	198
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	1	288
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	1	10
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	0	0
3342	0	0	0	0	0	0	0	0	1	6
3464	5	68	0	0	0	0	0	0	1	8
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	0	0	0	0
3469	5	28	1	15	0	0	1	50	3	21
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	2	44
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	10	88
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	1	58	1	82
3508	0	0	0	0	0	0	1	86	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	2	476	0	0
3505	0	0	0	0	0	0	0	0	0	0
3519	8	346	0	0	0	0	0	0	0	0
3522	20	219	0	0	0	0	1	8	1	400
3527	0	0	1	20	0	0	0	0	0	0
3528	0	0	0	0	0	0	0	0	8	75
3529	0	0	0	0	3	19	1	13	0	0
3533	0	0	0	0	0	0	0	0	11	67
3539	0	0	0	0	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	4	68
3543	3	26	0	0	0	0	0	0	3	450
3546	0	0	0	0	0	0	0	0	0	0
3554	0	0	1	10	0	0	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	0	0
3559	3	57	0	0	25	130	9	219	4	105
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	0	0	0	0	1	22	0	0
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	0	0	0	0	0	0	1	3	26	283
3578	0	0	0	0	0	0	0	0	0	0
3579	0	0	0	0	10	114	30	236	8	114
4000	1	135	1	154	0	0	0	0	2	15
5000	157	64	0	0	31	34	207	76	3814	516
CUT MO.	202	943	6	552	69	297	255	1247	3905	4027
CUT YTD	9792	8307	284	2227	554	1763	3848	9945	13866	39769
1010	1	5	0	0	0	0	0	0	8	136
3582	0	0	1	114	0	0	0	0	0	0
3583	9	1	1	1	23	35	0	0	356	56
3584	0	0	0	0	0	0	0	0	0	0
3586	0	0	6	96	0	0	0	0	0	0
3587	0	0	0	0	0	0	0	0	13	75
3588	0	0	2	686	1	31	0	0	0	0
3589	0	0	2	35	0	0	0	0	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	0	0	0	0	1	12	9	119
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	3	9	0	0	2	2862
3595	0	0	0	0	4	29	0	0	0	0
3596	0	0	0	0	0	0	0	0	0	0
3597	0	0	0	0	0	0	0	0	1	192
3598	0	0	0	0	0	0	0	0	0	0
3599	0	0	20	363	0	0	23	82	23	499
FRM MO.	10	6	32	1295	31	104	24	94	412	3939
FRM YTD	114	337	1023	13453	97	1482	1053	4192	2414	29743
TOT MO.	212	949	38	1847	100	401	279	1341	4317	7966
TOT YTD	9906	8644	1307	15680	651	3245	4901	14137	16280	69512

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
NOVEMBER 1988

	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	1	921	0	0	0	0	0	0	0	0
3411	0	0	0	0	0	0	4	635	0	0
3412	0	0	0	0	0	0	0	0	2	168
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	3	99
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	0	0	1	43	0	0	0	0
3336	0	0	0	0	0	0	11	74	0	0
3342	0	0	0	0	2	12	2	72	0	0
3464	0	0	0	0	14	138	0	0	1	51
3466	0	0	0	0	0	0	0	0	0	0
3467	0	0	0	0	178	890	0	0	0	0
3468	0	0	0	0	0	0	3	299	0	0
3469	0	0	0	0	15	73	0	0	1	118
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	0	0	0	0	0	0	1	166
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	0	0
3508	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	1	17
3512	0	0	0	0	1	45	0	0	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	2	53
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	0	0	0	0	0	0	0	0
3522	0	0	0	0	0	0	0	0	1	18
3527	0	0	0	0	0	0	0	0	12	837
3528	0	0	0	0	0	0	0	0	0	0
3529	0	0	0	0	0	0	0	0	8	162
3533	0	0	0	0	0	0	0	0	0	0
3539	0	0	0	0	0	0	0	0	2	203
3541	0	0	0	0	0	0	0	0	0	0
3543	0	0	0	0	0	0	0	0	3	162
3546	0	0	0	0	0	0	0	0	1	262
3554	0	0	0	0	0	0	0	0	5	362
3556	0	0	0	0	0	0	0	0	0	0
3558	0	0	0	0	0	0	0	0	2	288
3559	0	0	0	0	5	25	0	0	10	519
3562	0	0	0	0	1	6	0	0	5	602
3564	0	0	0	0	0	0	0	0	8	474
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	0	0	0	0	0	0
3576	0	0	0	0	0	0	0	0	0	0
3577	4	88	0	0	0	0	0	0	1	18
3578	0	0	0	0	1	4	0	0	0	0
3579	0	0	0	0	4	28	3	16	0	0
4000	0	0	0	0	1	14	0	0	7	71
5000	40	55	0	0	95	4	135	188	206	37
CUT MO.	45	1064	0	0	318	1282	158	1284	282	4687
CUT YTD	4788	6410	50	188	4124	16741	1834	9036	4913	64157
1010	0	0	0	0	0	0	0	0	0	0
3582	0	0	0	0	3	17	1	7	1	3
3583	0	0	0	0	54	34	12	5	352	18
3584	0	0	0	0	0	0	0	0	2	283
3586	0	0	5	77	0	0	2	57	0	0
3587	0	0	0	0	33	264	0	0	1	10
3588	0	0	0	0	0	0	0	0	0	0
3589	0	0	2	23	0	0	0	0	0	0
3591	0	0	0	0	0	0	1	37	0	0
3592	1	7	0	0	0	0	21	252	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	0	0	0	0	0	0	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	1	18	0	0	0	0	2	31
3597	0	0	1	5	0	0	0	0	0	0
3598	0	0	0	0	1	22	0	0	0	0
3599	0	0	0	0	3	91	31	149	3	597
FRM MO.	1	7	9	123	94	428	68	507	361	942
FRM YTD	318	3962	62	667	719	3200	739	10229	1793	17061
TOT MO.	46	1071	9	123	412	1710	226	1791	643	5629
TOT YTD	5106	10372	112	855	4843	19941	2573	19265	6706	81218

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
NOVEMBER 1988

	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
674:	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	2	199	0	0	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	2	951	0	0	0	0	0	0
3404	38	2034	0	0	0	0	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	1	97	5	530	0	0	0	0	0	0
3411	10	785	6	915	0	0	1	77	0	0
3412	0	0	0	0	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	2	269	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	0	0	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	0	0	1	3	0	0	0	0	0	0
3336	0	0	6	34	0	0	0	0	0	0
3342	8	99	1	133	0	0	1	96	0	0
3464	24	835	0	0	0	0	0	0	0	0
3466	0	0	0	0	0	0	0	0	0	0
3467	50	205	0	0	0	0	0	0	0	0
3468	1	37	0	0	0	0	0	0	0	0
3469	29	328	1	485	0	0	0	0	0	0
3476	0	0	1	381	0	0	0	0	0	0
3477	2	155	2	6	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	0	0	10	835	0	0	2	33	0	0
3504	0	0	1	268	0	0	0	0	0	0
3506	14	198	6	1630	0	0	0	0	0	0
3508	0	0	2	429	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	83	913	0	0	6	38	4	45	67	400
3513	0	0	0	0	0	0	0	0	0	0
3514	2	19	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	2	45	0	0	0	0	0	0	0	0
3518	2	26	1	20	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3519	0	0	3	455	0	0	1	15	0	0
3522	20	743	2	17	0	0	0	0	0	0
3527	0	0	0	0	0	0	0	0	0	0
3528	1	207	0	0	0	0	0	0	0	0
3529	5	70	23	973	0	0	3	54	0	0
3533	17	175	2	229	0	0	0	0	0	0
3539	0	0	4	677	0	0	0	0	0	0
3541	0	0	2	43	0	0	0	0	0	0
3543	2	40	3	422	0	0	0	0	0	0
3546	0	0	1	50	0	0	0	0	0	0
3554	0	0	0	0	0	0	0	0	0	0
3556	0	0	1	60	0	0	0	0	0	0
3558	1	4	0	0	0	0	0	0	0	0
3559	9	477	22	339	0	0	6	60	0	0
3562	1	24	0	0	0	0	0	0	0	0
3564	1	39	0	0	0	0	0	0	0	0
3567	6	147	1	98	0	0	0	0	0	0
3571	6	680	16	45	0	0	0	0	0	0
3576	0	0	10	847	0	0	0	0	0	0
3577	56	177	33	424	7	21	18	163	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	7	328	6	89	0	0	26	796	0	0
4000	27	504	56	373	0	0	27	74	0	0
5000	277	269	1910	341	14	17	676	103	0	0
CUT MO.	702	9660	2144	12570	27	76	765	1516	67	400
CUT YTD	10320	76995	15228	196955	358	1628	7380	17289	842	5388

1010	0	0	5	216	0	0	5	153	0	0
3582	3	10	3	105	0	0	15	178	0	0
3583	1	2	450	289	0	0	16	19	0	0
3584	0	0	1	140	0	0	0	0	0	0
3586	17	85	15	201	0	0	5	190	0	0
3587	0	0	3	20	0	0	1	12	0	0
3588	0	0	2	1210	0	0	1	51	0	0
3589	1	24	1	161	1	6	15	342	0	0
3591	0	0	0	0	0	0	0	0	0	0
3592	3	462	16	81	0	0	19	445	0	0
3593	0	0	0	0	0	0	0	0	0	0
3594	2	259	0	0	1	220	3	128	0	0
3595	0	0	1	4	0	0	4	63	5	4378
3596	4	11	4	305	0	0	15	150	1	1727
3597	0	0	1	123	0	0	0	0	0	0
3598	17	83	0	0	0	0	0	0	0	0
3599	7	859	47	578	0	0	21	490	0	0
FRM MO.	55	1795	549	3433	2	226	120	2221	6	6105
FRM YTD	911	15185	4475	45926	2	226	1725	35614	43	23282
TOT MO.	757	11455	2693	16003	29	302	885	3737	73	6505
TOT YTD	11231	92180	19703	242881	360	1854	9105	52903	885	28670

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
NOVEMBER 1988

	CHINA		ISRAEL		JAPAN		KOREAN REP.		SINGAPORE	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	1	162	0	0	0	0
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	0	0
3404	0	0	0	0	138	12126	0	0	0	0
3406	0	0	0	0	7	1152	0	0	0	0
3409	0	0	0	0	16	3871	0	0	0	0
3411	0	0	0	0	8	2463	0	0	0	0
3412	0	0	0	0	2	2113	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	1	257	0	0	0	0
3418	0	0	0	0	2	1193	0	0	0	0
3419	0	0	0	0	0	0	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	0	0	0	0	0	0
3328	0	0	0	0	9	413	0	0	0	0
3329	0	0	0	0	0	0	0	0	0	0
3334	3	10	0	0	0	0	0	0	0	0
3336	4	26	0	0	0	0	0	0	0	0
3342	0	0	0	0	3	39	1	35	0	0
3464	0	0	0	0	3	1422	0	0	0	0
3466	0	0	0	0	1	31	0	0	0	0
3467	0	0	0	0	2	97	0	0	0	0
3468	0	0	0	0	2	81	0	0	0	0
3469	0	0	3	245	10	902	0	0	0	0
3476	0	0	0	0	0	0	0	0	0	0
3477	0	0	0	0	1	71	0	0	0	0
3481	0	0	0	0	1	177	0	0	0	0
3483	0	0	0	0	0	0	0	0	0	0
3504	0	0	0	0	17	2113	0	0	0	0
3506	0	0	0	0	209	14883	24	1258	0	0
3508	0	0	0	0	42	5650	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3512	64	311	0	0	1	67	16	144	0	0
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	3	697	0	0	0	0
3519	0	0	0	0	4	701	1	32	0	0
3522	10	46	0	0	1	52	13	100	2	14
3527	0	0	0	0	11	98	0	0	0	0
3528	0	0	0	0	11	670	0	0	0	0
3529	0	0	0	0	6	108	0	0	0	0
3533	0	0	0	0	1	4	1	116	0	0
3539	0	0	0	0	1	417	0	0	0	0
3541	0	0	0	0	2	149	0	0	39	335
3543	10	34	0	0	40	266	0	0	0	0
3546	0	0	0	0	3	568	0	0	0	0
3554	3	25	0	0	2	87	0	0	0	0
3556	0	0	0	0	0	0	0	0	0	0
3558	3	12	0	0	0	0	0	0	0	0
3559	12	179	0	0	26	2433	0	0	0	0
3562	0	0	0	0	71	5852	0	0	0	0
3564	0	0	0	0	14	483	0	0	0	0
3567	0	0	0	0	5	991	0	0	0	0
3571	0	0	0	0	5	1187	0	0	0	0
3576	0	0	0	0	15	721	0	0	0	0
3577	0	0	4	178	45	1482	0	0	0	0
3578	0	0	0	0	0	0	0	0	0	0
3579	2	15	0	0	19	1130	0	0	0	0
4000	0	0	1	2	15	1202	1	8	0	0
5000	5456	353	0	0	7990	1232	20	12	0	0
CUT MO.	5567	1011	8	425	8766	69813	77	1705	41	349
CUT YTD	48597	6376	385	2365	89517	761352	1733	12438	828	9188
1010	0	0	0	0	6	1791	0	0	0	0
3582	0	0	0	0	8	32	0	0	0	0
3583	6	6	0	0	23	19	57	20	0	0
3584	0	0	0	0	4	599	0	0	0	0
3586	0	0	0	0	54	1049	0	0	5	69
3587	0	0	0	0	4	38	0	0	0	0
3588	0	0	0	0	10	494	0	0	0	0
3589	0	0	0	0	17	573	0	0	4	24
3591	0	0	0	0	0	0	0	0	0	0
3592	0	0	3	37	19	444	0	0	0	0
3593	0	0	0	0	8	19819	0	0	0	0
3594	0	0	0	0	17	3026	0	0	0	0
3595	0	0	0	0	0	0	0	0	0	0
3596	0	0	0	0	9	600	0	0	0	0
3597	0	0	0	0	3	1279	0	0	0	0
3598	0	0	0	0	0	0	0	0	0	0
3599	0	0	1	46	25	1625	0	0	0	0
FRM MO.	6	6	4	83	207	31388	57	20	9	93
FRM YTD	30	187	67	1051	8075	244806	161	303	323	1446
TOT MO.	5573	1017	12	508	8973	101201	134	1725	50	442
TOT YTD	48627	6563	452	3416	97592	1006158	1894	12741	1151	10634

U.S. IMPORTS OF MACHINE TOOLS
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
NOVEMBER 1988

	TAIWAN		AUSTRALIA		ALL OTHERS	
674	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	1	40
3035	0	0	0	0	0	0
3045	0	0	0	0	0	0
3404	7	316	0	0	0	0
3406	1	67	0	0	0	0
3409	0	0	0	0	0	0
3411	0	0	0	0	0	0
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	3	39	0	0	0	0
3418	0	0	0	0	0	0
3419	7	208	0	0	0	0
3422	0	0	0	0	0	0
3423	0	0	0	0	0	0
3328	0	0	0	0	0	0
3329	0	0	0	0	0	0
3334	24	162	0	0	3	18
3336	6	45	0	0	0	0
3342	0	0	0	0	0	0
3464	1	113	0	0	0	0
3466	0	0	0	0	0	0
3467	108	711	0	0	2	18
3468	0	0	0	0	0	0
3469	0	0	0	0	1	5
3476	0	0	0	0	0	0
3477	0	0	0	0	0	0
3481	0	0	0	0	0	0
3483	0	0	1	21	3	91
3504	0	0	0	0	0	0
3506	5	208	0	0	0	0
3508	1	74	0	0	0	0
3510	0	0	0	0	0	0
3512	53	409	0	0	21	168
3513	0	0	0	0	0	0
3514	0	0	0	0	0	0
3515	0	0	0	0	0	0
3516	0	0	0	0	0	0
3518	0	0	0	0	0	0
3505	3	116	0	0	0	0
3519	0	0	0	0	0	0
3522	0	0	0	0	0	0
3527	7	51	0	0	0	0
3528	0	0	0	0	0	0
3529	14	91	0	0	0	0
3533	0	0	0	0	0	0
3539	0	0	0	0	0	0
3541	0	0	0	0	0	0
3543	35	415	0	0	0	0
3546	0	0	0	0	0	0
3554	0	0	0	0	0	0
3556	0	0	0	0	3	26
3558	11	83	0	0	0	0
3559	0	0	5	160	10	160
3562	2	19	0	0	0	0
3564	7	102	10	117	0	0
3567	0	0	0	0	0	0
3571	0	0	0	0	0	0
3576	0	0	0	0	0	0
3577	13	52	0	0	0	0
3578	0	0	0	0	0	0
3579	4	35	0	0	0	0
4000	189	14	0	0	10	19
5000	84105	6527	102	21	8	3
CUT MO.	84606	9857	118	319	62	548
CUT YTD	711364	117727	478	3043	53951	9512
1010	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	1117	256	0	0	66	55
3584	0	0	0	0	0	0
3586	4	25	0	0	0	0
3587	0	0	0	0	0	0
3588	0	0	0	0	1	30
3589	1	6	0	0	0	0
3591	0	0	0	0	0	0
3592	1	13	0	0	3	9
3593	0	0	0	0	0	0
3594	1	4	0	0	1	370
3595	0	0	0	0	0	0
3596	0	0	0	0	5	141
3597	0	0	0	0	0	0
3598	3	33	0	0	0	0
3599	0	0	0	0	1	72
FRM MO.	1127	337	0	0	77	677
FRM YTD	11097	6068	8	215	936	4852
TOT MO.	85733	10194	118	319	139	1225
TOT YTD	722461	123795	486	3258	54887	14364

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN

THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE
ALL OTHER COLUMN
NOVEMBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	13	248	0	0	13	248
EAST GERMANY	3	58	0	0	3	58
FINLAND	0	0	30	154	30	154
GIBRALTAR	0	0	0	0	0	0
GREECE	0	0	1	30	1	30
HUNGARY	10	25	0	0	10	25
ICELAND	0	0	0	0	0	0
IRELAND	0	0	0	0	0	0
MALTA	0	0	0	0	0	0
NORWAY	0	0	1	72	1	72
POLAND	10	136	0	0	10	136
ROMANIA	0	0	0	0	0	0
USSR	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	36	467	32	256	68	723
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	0	0	0	0
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP	0	0	0	0	0	0
FR. W. INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS.	0	0	0	0	0	0
MEXICO	7	15	44	51	51	66
NICARAGUA	0	0	0	0	0	0
N. ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM.	0	0	0	0	0	0
TOTAL	7	15	44	51	51	66
OTHER SOUTH AMERICA						
ARGENTINA	7	25	0	0	7	25
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	0	0	0	0
ECUADOR	3	26	0	0	3	26
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0
OTHER S. AM.	0	0	0	0	0	0
TOTAL	10	51	0	0	10	51
OTHER OCEANIA						
FR. PAC. IS.	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	0	0	1	370	1	370
SAMOA	0	0	0	0	0	0
TERR. PAC. IS.	0	0	0	0	0	0
OTH. PAC. IS.	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	0	0	1	370	1	370

U.S. IMPORTS OF MACHINE TOOLS TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN OF THE ACTIVITY BY COUNTRY WHICH IS INCLUDED IN THE ALL OTHER COLUMN
NOVEMBER 1988

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	0	0	0	0	0	0
INDIA	9	15	0	0	9	15
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	0	0	0	0	0	0
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	9	15	0	0	9	15
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	0	0	0	0	0	0
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	0	0	0	0
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	0	0	0	0
REP S. AFRICA	0	0	0	0	0	0
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR.	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146; NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: 1)'O-' = DOLLAR AMOUNT LESS THAN $500. 2)N.E.C. - NOT ELSEWHERE CLASSIFIED. 3)INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING. 4)MACHINE TOOL IMPORTS, AS REFLECTED IN THE GOVERNMENT STATISTICS, ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES

A8620-3

REPORT

NMTBA
The Association For
Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL
No. 37-89 March 29, 1989

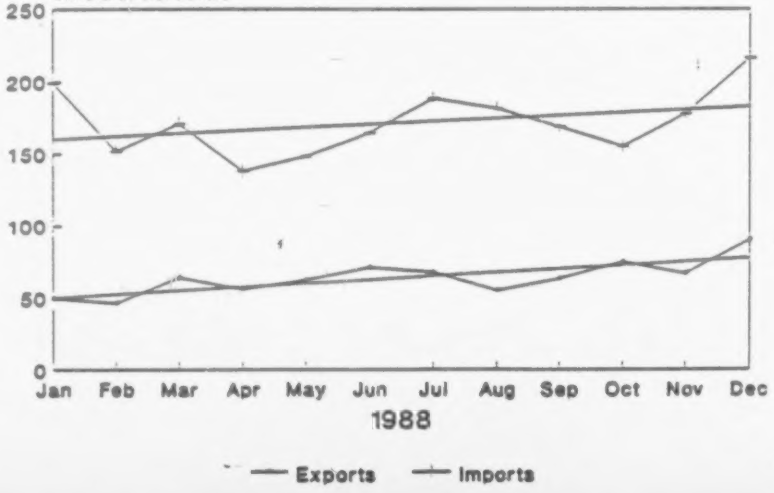
U.S. FOREIGN TRADE IN MACHINE TOOLS - 1988

For the second consecutive year the U.S. trade balance in machine tools improved. During 1988 U.S. exports jumped by 18% while U.S. imports increased by just over 3%. As a result, the U.S. trade balance improved by $54.6 million or 4%, compared with 1987.

U.S. Machine Tool Trade
($Millions)

	Fourth Quarter 1988			Annual 1988		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$146.4	$401.7	($255.4)	$443.7	$1,543.3	($1,099.7)
Metal Forming	$ 85.4	$147.1	($ 61.8)	$324.6	$ 515.4	($ 190.8)
Total	$231.7	$548.9	($317.1)	$768.3	$2,058.7	($1,290.4)

U.S. Foreign Trade in Machine Tools



EXPORTS

U.S. exports of metal cutting machinery increased 16% in 1988 to $443.7 million. Metal forming machine tool exports jumped 22% to $324.6 million.

All regions in the export market displayed increases over 1987, except Africa, which fell over 6%. The leading regional market in 1988 was Asia, up 9% from 1987 to $261.0 million. Despite this, Asia showed the most significant market share change for the year, down nearly 3 percentage points from 1987.

	U.S.Exports-1988		U.S.Exports-1987		%Change 88:87
	$Mil.	% of Total	$Mil.	% of Total	Dollar Value
Asia	$261.0	33.9%	$238.8	36.7%	+9.3%
N & C America	239.5	31.1	191.3	29.4	+25.2
Europe	189.4	24.6	154.3	23.7	+22.7
South America	59.6	7.7	47.4	7.3	+25.7
Oceania	13.9	1.8	12.4	1.9	+12.1
Africa	5.8	0.8	6.2	1.0	-6.5
	$768.3		$650.4		+18.1%

Exports to the top seven countries represented 78% of total U.S. machine tool exports. Ranked by dollar value, the leading markets in 1988 were:

	U.S.Exports-1988		U.S.Exports-1987		%Change 88:87
	$Mil.	% of Total	$Mil.	% of Total	Dollar Value
Mexico	$126.8	16.5%	$89.1	13.7%	+42.4%
Canada	108.7	14.1	98.5	15.1	+10.4
Korea	73.7	9.5	85.9	13.2	-14.1
Japan	64.4	8.4	55.4	8.5	+16.3
United Kingdom	57.7	7.5	24.9	3.8	+131.6
West Germany	40.4	6.2	32.0	4.9	+26.1
China	37.4	5.8	42.5	6.5	-12.1
	$509.2	78.3%	$428.2	65.9%	+ 18.9%

In 1988, Mexico displaced Canada as the top U.S. export market for machine tools, as metal cutting exports jumped 62% to $89.0 million and metal forming exports were up 11% to $37.9 million.

Canada fell to the second slot, as metal cutting exports increased just 2% to $61.5 million. Canada was the top metal forming export market however, with U.S. shipments to that country up 24% to $47.2 million.

Korea lost its top ranking among U.S. metal forming export markets, on a 39% drop in exports to $25.3 million in 1988. Metal cutting exports were up 9% to $48.5 million for the year.

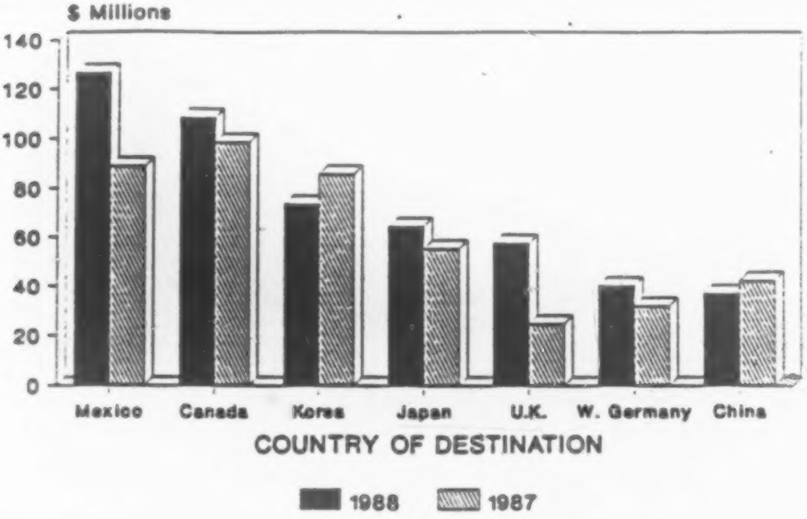
U.S. exports of metal forming equipment to Japan exceeded the cutting total, as forming increased 31% to $34.3 million. Metal cutting exports were up 3% over 1987 to $30.1 million.

Among the top export markets, the United Kingdom registered the largest percentage increases, as both cutting and forming shipments to the country doubled during 1988. Metal cutting exports reached $32.4 million, while forming exports amounted to $25.4 million.

West Germany was the only leading export market to show a decline in metal cutting, down 9% from 1987, to $17.8 million. Metal forming exports increased, however, by 81% to $22.6 million.

China dropped from its position as the fifth leading U.S. export market in 1987, as metal forming exports recorded a 50% decline during 1988 to $10.3 million. Metal cutting exports to China were up 23% to $27.1 million.

LEADING U.S. MACHINE TOOL EXPORT MARKETS
1988 vs. 1987



IMPORTS

U.S. machine tool imports stood at $2,058.7 million for 1988, up 3% from 1987. Imports of metal cutting machine tools increased over 7% to $1,543.3 million, while metal forming imports fell 8% from 1987, to $515.4 million.

	U.S.Imports-1988		U.S.Imports-1987		%Change 88:87
	$Mil.	% of Total	$Mil.	% of Total	Dollar Value
Japan	$1,112.5	54.0%	$1,061.2	53.2%	+ 4.8%
West Germany	277.5	13.5	332.0	16.6	- 16.4
Taiwan	135.5	6.6	127.5	6.4	+ 6.3
U. K.	105.8	5.1	85.4	4.3	+ 23.8
Switzerland	94.9	4.6	103.6	5.2	- 8.5
Italy	76.6	3.7	72.4	3.6	+ 5.8
	$1,802.7	87.6%	$1,782.1	89.3%	+ 1.2%

Japan's share of U.S. machine tool imports stood at 54% in 1988, as imports of metal cutting machine tools increased by over 16% to $839.2 million. Metal forming imports fell by 20% to $273.2 million. Despite this fall in metal forming shipments, Japan still accounted for 69% of the U.S. forming import total in 1988.

West Germany experienced the largest decrease among top U.S. import sources, as metal cutting fell 15% to $228.1 million, and metal forming fell 23% to $49.3 million.

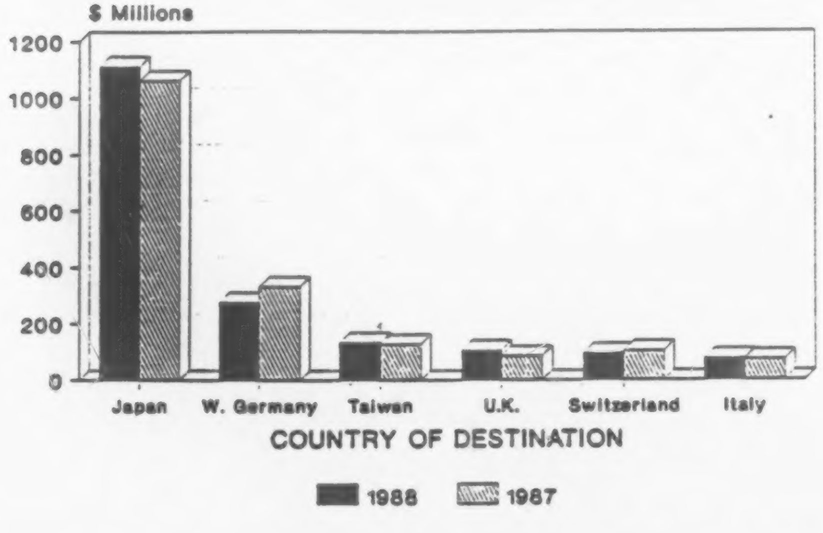
Metal forming imports from Taiwan jumped 49% during 1988, but still accounted for just 5% of their machine tool shipments to the United States, or $6.7 million. Metal cutting imports were up 5% to $128.8 million.

The United Kingdom displaced Switzerland as the fourth leading import source, as metal cutting imports from the U.K. rose 29% to $88.7 million. Metal forming imports were up 3% to $17.1 million.

Imports from Switzerland fell, as metal forming declined by over 18% to 18.5 million, and cutting fell 6% to $76.4 million.

U.S. metal forming imports from Italy increased 25% in 1988 to $33.5 million, making it the third largest U.S. import source for forming machines. However, metal cutting imports were down over 5% to $43.0 million.

LEADING U.S. MACHINE TOOL IMPORT SOURCES
1988 vs. 1987



U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

RELEASED MARCH 23, 1989

		TOTAL UNITS	YTD $000
674	METAL CUTTING		
3020	Gear Hobbers & Shapers	90	11320
3045	Gear Cutting Machines, N.E.C	94	20186
3204	Vertical Mach Ctrs ATC, NC, Y-Axis Travel 26" or Less	103	8252
3206	Vertical Mach Ctrs ATC, NC, Y-Axis Travel Over 26"	11	2923
3209	Horizontal Machining Centers, ATC, NC	46	10034
3211	Machining Centers, NC, N.E.C	123	9598
3216	Single Station and Multi-Station Transfer Machines	23	12564
3225	Way Type Machines (Unit Heads)	11	1031
3245	Horiz Boring-Drilling-Milling Machines, Table Type, NC	3	1042
3246	Horiz Boring-Drilling-Milling Machines, NC, N.E.C	5	1803
3247	Vertical Boring-Drilling-Milling Machines, NC	13	2174
3248	Horiz Boring-Drilling-Milling Machines, Non-NC	8	1074
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	39	2198
3254	Drilling Machines, NC	42	3559
3255	Drilling Machines, Multi-Spindle, Non-NC	28	2065
3256	Drilling Machines, Radial, Non-NC	21	680
3257	Drilling Machines, Upright, Single Spindle, Non-NC	12	393
3258	Drilling Machines, Non-NC, N.E.C.	198	4540
3264	Milling Machines, NC	21	7747
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	44	6575
3267	Milling Machines, Knee Type, Non-NC	3	139
3268	Milling Machines, Bed Type, Non-NC	17	1468
3269	Milling Machines, Non-NC, N.E.C.	218	12276
3276	Vertical Boring Machines, Incl. VTLs, NC	3	1318
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	135	5554
3281	Boring Machines, NC, N.E.C.	6	387
3283	Boring Machines, Non-NC, N.E.C.	119	7872
3503	Horizontal Lathes, Multi-Spindle, NC	57	13511
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	139	10930
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	24	3957
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	10	2756
3510	Horizontal Engine & Toolroom Lathes, Non-NC	110	3164
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	22	2715
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	11	818
3515	Automatic Bar Machines, Single-Spindle, Non-NC	32	753
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	44	1908
3518	Horizontal Lathes, Non-NC, N.E.C.	408	10340
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	6	612
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	14	781
3525	Vertical Lathes, Excl. VTLs, Non-NC	133	7578
3528	Grinding, Polishing, Honing & Lapping Machines, NC	276	38567
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	52	2983
3531	Tool & Cutter Grinding Machines, Non-NC	432	7711
3532	Honing & Lapping Machines, Non-NC	593	7263
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	151	2586
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	398	35593
3541	External Grinding Machines, Non-NC	23	3927
3542	Internal Grinding Machines, Non-NC	45	6576
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	365	10956
3546	Grinding Machines, Non-NC, N.E.C.	327	13089
3547	Traveling Wire Electrical Discharge Machines	33	1330
3549	All Other Electrical Discharge Machines	246	3994
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	18	873
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	106	4046
3559	Metal Cutting Machine Tools, NC, N.E.C	154	7124
3565	Sawing & Cut Off Machines, Non-NC	679	12093
3566	Broaching Machines, Non-NC	24	3596
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	277	6303
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	7303	60586
5000	Metal Cutting Machine Tools, Less Than $2500**	29740	16400
	TOTAL CUTTING	43688	443657
674	METAL FORMING		
1011	Die Casting Machines & Parts	0	20440
3568	Metal Forming Machine Tools, Used Or Rebuilt	1122	16671
3569	Metal Forming Machine Tools, Less Than $2500	6051	3855
3571	Punching & Shearing Machines, Incl. Combination, NC	105	16989
3573	Shearing Machines, Non-NC	158	6553
3575	Punching & Combination Punching & Shearing Machines, Non-NC	1070	24760
3578	Bending, Folding, Straightening & Flattening Machines, NC	140	7104
3582	Press Brakes, Non-NC	99	4938
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	20	2803
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	988	34291
3588	Mechanical Presses	304	28378
3589	Hydraulic Presses, Vertical, Single Action	121	7794
3590	Hydraulic & Pneumatic Presses	1127	53394
3594	Headers & Upsetters, Non-NC	94	22793
3595	Forging Machines, Non-NC, N.E.C.	171	4265
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	1417	67401
	TOTAL FORMING	13010	324625
	TOTAL ALL TYPES	56698	768282

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
574	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	1	115	0	0	2	196	0	0
3204	0	0	20	2064	0	0	7	734	0	0
3206	0	0	1	122	0	0	0	0	0	0
3209	0	0	0	0	0	0	3	540	1	471
3211	0	0	0	0	0	0	2	82	0	0
3216	0	0	0	0	1	142	0	0	0	0
3225	0	0	0	0	0	0	0	0	1	130
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	1	215	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	1	3	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	1	113	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	7	165	0	0
3281	0	0	0	0	0	0	2	125	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	1	78	23	1808	0	0	7	601	0	0
3507	0	0	0	0	0	0	1	130	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	2	72	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	3	183	1	11	2	511	1	28
3521	0	0	0	0	0	0	0	0	1	235
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	1	25	2	528	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	2	89	1	97	5	162	2	14
3532	4	57	25	230	3	42	33	314	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	6	324	2	130	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	3	205
3542	0	0	0	0	0	0	14	919	0	0
3544	3	41	0	0	1	172	6	41	3	41
3546	0	0	5	169	0	0	1	27	4	239
3547	0	0	0	0	0	0	0	0	0	0
3549	6	49	2	4	2	4	1	82	1	3
3551	0	0	0	0	0	0	2	114	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	3	74	15	604	0	0
3565	3	16	0	0	0	0	2	27	2	51
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	2	147	1	165	12	315	1	27
4000	14	8	70	760	0	0	130	1010	0	0
5000	51	33	328	242	1	2	271	187	31	25
CUT YTD	89	821	484	6063	15	734	531	7602	51	1469
1011	0	141	0	17	0	2	0	658	0	0
3568	0	0	7	114	4	81	66	901	2	49
3569	0	0	165	88	136	116	405	112	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	1	112	0	0	2	333	0	0
3575	0	0	8	128	12	905	41	1198	19	288
3578	0	0	2	150	4	138	5	106	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	1	45	0	0
3584	1	79	2	215	3	65	20	926	11	485
3588	0	0	1	17	3	87	10	1926	0	0
3589	4	117	6	119	0	0	1	577	4	1371
3590	0	0	0	0	1	12	10	224	0	0
3594	0	0	1	17	0	0	1	582	0	0
3595	0	0	0	0	0	0	1	5	1	31
3598	26	162	15	558	0	0	35	1636	2	48
FRM YTD	31	499	208	1535	163	1406	598	9229	39	2272
TOT YTD	120	1320	692	7598	178	2140	1129	16831	90	3741

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	6	1882	0	0	0	0	0	0	0	0
3045	1	392	1	51	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	1	123	2	45	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	6	180	0	0	1	157	1	600
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	2	12	0	0	0	0	0	0
3254	3	103	0	0	0	0	0	0	0	0
3255	1	92	0	0	0	0	0	0	0	0
3256	1	176	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	5	524	0	0	0	0	1	60	2	93
3264	2	485	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	1	20	1	25	0	0	0	0	1	125
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	3	47	0	0	0	0	1	100	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	8	367	0	0
3518	1	12	10	190	0	0	0	0	2	23
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	8	839	0	0	0	0	0	0	0	0
3528	15	1875	1	263	0	0	0	0	0	0
3529	3	108	0	0	0	0	0	0	0	0
3531	4	143	4	23	0	0	3	205	0	0
3532	42	361	11	93	4	57	13	108	8	62
3533	0	0	3	38	0	0	0	0	0	0
3538	23	1037	1	84	3	31	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	1	124	0	0	0	0	0	0
3544	6	285	14	164	0	0	0	0	1	152
3546	0	0	3	460	0	0	1	18	2	26
3547	0	0	0	0	0	0	0	0	0	0
3549	15	329	7	11	0	0	4	6	9	68
3551	0	0	0	0	0	0	0	0	0	0
3553	4	96	0	0	0	0	0	0	0	0
3559	30	1293	2	26	0	0	3	715	2	32
3565	10	298	37	515	0	0	4	47	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	6	28	5	45
4000	268	2426	54	376	3	6	12	138	57	861
5000	336	189	272	199	0	0	293	127	162	128
CUT YTD	789	13135	432	2879	10	94	350	2076	252	2215
1011	0	72	0	95	0	0	0	51	0	145
3568	9	183	0	0	0	0	23	223	3	191
3569	15	13	72	13	0	0	0	0	51	10
3571	0	0	11	2184	0	0	0	0	0	0
3573	1	61	0	0	0	0	0	0	0	0
3575	12	335	33	705	0	0	14	218	10	129
3578	1	16	2	68	0	0	3	92	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	46	1332	6	31	0	0	36	996	12	291
3588	9	2213	2	42	0	0	1	399	0	0
3589	1	51	0	0	0	0	0	0	1	31
3590	4	104	4	46	0	0	4	184	0	0
3594	7	2745	1	25	0	0	2	812	0	0
3595	5	151	2	66	1	50	0	0	0	0
3598	22	859	71	1295	0	0	19	2179	11	594
FRM YTD	132	8135	204	4570	1	50	102	5154	88	1391
TOT YTD	921	21270	636	7449	11	144	452	7230	340	3606

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	1	880	2	601	0	0
3045	0	0	18	1732	0	0	7	1073	0	0
3204	0	0	11	667	0	0	2	171	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	3	742	0	0	1	316	0	0
3211	0	0	21	1629	0	0	9	891	0	0
3216	0	0	1	105	0	0	0	0	0	0
3225	0	0	0	0	0	0	3	237	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	2	492	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	19	1272	0	0	2	83	0	0
3255	0	0	0	0	0	0	1	185	0	0
3256	0	0	4	57	0	0	0	0	0	0
3257	0	0	4	231	0	0	0	0	0	0
3258	0	0	41	172	0	0	8	555	0	0
3264	0	0	2	105	0	0	0	0	0	0
3266	0	0	3	2203	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	7	516	0	0	0	0	0	0
3269	2	211	5	254	0	0	1	5	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	2	38	21	675	0	0	30	548	0	0
3281	0	0	1	64	0	0	0	0	0	0
3283	0	0	6	597	0	0	2	119	0	0
3503	0	0	1	127	0	0	0	0	0	0
3505	0	0	44	2389	0	0	0	0	0	0
3507	0	0	11	1458	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	3	45	8	59	0	0	1	220	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	1	27	0	0	0	0	0	0
3515	0	0	9	67	0	0	0	0	0	0
3516	0	0	0	0	0	0	4	324	0	0
3518	20	184	16	596	0	0	12	228	0	0
3521	1	48	0	0	0	0	0	0	0	0
3523	0	0	1	56	0	0	1	226	0	0
3525	8	302	6	198	0	0	1	21	0	0
3528	1	215	29	1841	0	0	23	2913	0	0
3529	0	0	4	156	0	0	10	251	0	0
3531	5	256	7	254	0	0	61	658	0	0
3532	21	285	38	474	6	67	134	1358	1	11
3533	0	0	10	126	0	0	0	0	0	0
3538	1	337	12	965	0	0	5	344	0	0
3541	1	183	2	619	1	62	1	100	0	0
3542	0	0	5	450	0	0	13	853	0	0
3544	5	55	23	322	0	0	26	1729	0	0
3546	7	33	39	1165	0	0	8	581	0	0
3547	0	0	24	984	0	0	1	129	0	0
3549	2	54	35	430	0	0	14	31	1	106
3551	0	0	1	74	0	0	1	65	0	0
3553	2	82	2	169	0	0	1	180	0	0
3559	2	36	7	644	0	0	7	200	0	0
3565	6	121	23	773	6	114	12	164	0	0
3566	0	0	2	720	0	0	0	0	0	0
3567	2	13	10	69	0	0	7	208	0	0
4000	27	340	338	4740	6	61	110	746	1	74
5000	184	109	2289	1387	52	33	1128	972	0	0
CUT YTD	302	2947	3166	32360	72	1217	1651	17777	3	191
1011	0	151	0	1932	0	0	0	2178	0	149
3568	3	435	18	1130	0	0	29	585	3	50
3569	36	21	133	111	0	0	925	442	0	0
3571	0	0	6	813	0	0	3	465	1	205
3573	0	0	1	2369	0	0	1	5	0	0
3575	6	110	39	874	0	0	41	1201	0	0
3578	2	81	10	237	0	0	24	1115	0	0
3582	0	0	0	0	0	0	2	12	0	0
3583	0	0	1	55	0	0	0	0	0	0
3584	2	19	84	2013	0	0	69	1558	1	95
3588	0	0	11	1535	0	0	10	3127	1	200
3589	2	71	19	728	2	52	2	283	0	0
3590	2	122	82	6066	1	64	79	5381	0	0
3594	1	58	1	575	0	0	21	4378	0	0
3595	0	0	4	159	0	0	2	23	0	0
3598	8	664	120	6762	0	0	67	1877	2	189
FRM YTD	62	1732	529	25359	3	116	1275	22630	8	888
TOT YTD	364	4679	3695	57719	75	1333	2926	40407	11	1079

U S EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	OTH EUROPE		CANADA		MEXICO		OTH N & C		ARGENTINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	42	1592	4	194	0	0	0	0
3045	4	3112	3	1195	12	1868	1	109	0	0
3204	0	0	24	2101	3	124	0	0	1	134
3206	0	0	1	95	1	350	0	0	0	0
3209	0	0	13	2127	2	142	0	0	0	0
3211	1	53	8	804	17	568	0	0	0	0
3216	0	0	7	2892	5	1870	0	0	0	0
3225	0	0	4	340	2	128	0	0	0	0
3245	0	0	0	0	1	267	0	0	0	0
3246	0	0	2	446	0	0	0	0	0	0
3247	1	512	1	75	0	0	0	0	0	0
3248	0	0	1	150	1	68	0	0	0	0
3249	0	0	9	887	23	777	1	12	0	0
3254	0	0	8	896	4	290	0	0	0	0
3255	1	138	9	419	6	304	0	0	0	0
3256	0	0	1	57	7	97	0	0	0	0
3257	0	0	2	6	4	39	0	0	0	0
3258	1	6	15	125	47	711	4	21	0	0
3264	0	0	7	1859	1	44	0	0	0	0
3266	0	0	22	3195	4	63	0	0	0	0
3267	0	0	3	139	0	0	0	0	0	0
3268	0	0	6	454	1	48	0	0	0	0
3269	0	0	25	1357	82	3792	9	137	0	0
3276	0	0	2	708	0	0	0	0	0	0
3277	0	0	8	957	20	1307	1	19	0	0
3281	0	0	0	0	1	85	0	0	0	0
3283	0	0	20	1502	44	1215	3	31	0	0
3503	0	0	3	276	30	6873	0	0	0	0
3505	0	0	25	1994	6	527	0	0	3	247
3507	0	0	9	1721	0	0	0	0	1	179
3509	0	0	0	0	4	590	0	0	0	0
3510	0	0	25	524	35	554	2	10	0	0
3511	1	130	1	328	4	166	0	0	0	0
3512	0	0	4	268	2	172	0	0	0	0
3515	0	0	14	550	0	0	0	0	0	0
3516	0	0	15	534	2	80	0	0	0	0
3518	3	36	39	553	136	1951	2	16	2	13
3521	0	0	0	0	3	174	0	0	0	0
3523	0	0	0	0	10	442	0	0	0	0
3525	0	0	11	1358	35	1457	1	242	0	0
3528	28	3622	10	1022	68	15833	0	0	0	0
3529	0	0	8	528	5	83	0	0	0	0
3531	3	18	167	1408	59	512	0	0	3	195
3532	15	251	28	474	43	648	6	61	1	10
3533	0	0	17	188	12	161	0	0	0	0
3538	0	0	20	1231	143	15291	5	152	1	115
3541	0	0	7	825	3	567	0	0	0	0
3542	0	0	5	1955	1	333	1	21	0	0
3544	0	0	41	2070	21	222	0	0	3	31
3546	2	466	54	3009	133	3412	4	22	1	31
3547	0	0	2	32	0	0	0	0	0	0
3549	6	12	53	1008	37	494	0	0	4	10
3551	1	50	7	246	3	144	0	0	1	54
3553	0	0	15	929	8	309	0	0	0	0
3559	1	85	50	1130	5	194	0	0	0	0
3565	4	17	215	2191	172	2522	3	20	4	252
3566	0	0	2	19	2	188	0	0	0	0
3567	0	0	40	606	82	1845	3	22	0	0
4000	55	1155	506	5569	3856	16753	121	516	3	11
5000	361	275	10771	4599	3357	2132	373	223	109	86
CUT YTD	488	9938	12407	61523	8569	88980	540	1634	137	1368
1011	0	460	0	6481	0	1425	0	199	0	0
3568	1	28	224	2152	472	5235	16	135	23	585
3569	48	13	2258	1294	838	938	101	49	6	6
3571	2	298	46	8664	0	0	2	160	1	128
3573	2	25	43	1818	52	747	0	0	0	0
3575	10	204	131	2620	111	2079	12	268	3	163
3578	11	442	20	972	8	504	3	119	0	0
3582	0	0	48	1976	16	950	0	0	0	0
3583	0	0	4	212	9	325	1	109	0	0
3584	55	877	216	4540	131	6965	8	110	2	43
3588	2	174	18	1139	96	2212	0	0	7	1547
3589	2	73	1	108	26	1092	0	0	0	0
3590	1	35	127	4877	576	10128	1	6	4	77
3594	1	81	8	1575	1	119	0	0	0	0
3595	3	153	62	849	42	1364	10	202	2	36
3598	4	92	230	7920	186	3773	13	942	5	124
FRM YTD	142	2955	3436	47197	2564	37856	167	2299	53	2709
TOT YTD	630	12893	15843	108720	11133	126836	707	3933	190	4077

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	BRAZIL		COLOMBIA		VENEZUELA		OTH S AM		CHINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	3	304	2	80	0	0
3045	6	2631	3	238	6	759	1	147	10	1484
3204	0	0	0	0	1	25	0	0	3	674
3206	0	0	0	0	4	899	0	0	4	1457
3209	0	0	0	0	1	300	0	0	3	1877
3211	9	403	8	431	1	66	0	0	4	1843
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	1	196
3245	0	0	0	0	0	0	0	0	2	775
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	1	75	0	0	1	114
3249	0	0	0	0	1	243	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	1	60	0	0	0	0
3256	0	0	1	42	0	0	0	0	0	0
3257	0	0	1	114	0	0	0	0	0	0
3258	1	6	1	5	11	471	25	349	1	16
3264	0	0	0	0	0	0	0	0	1	121
3266	0	0	0	0	4	84	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	3	450
3269	33	1300	0	0	25	671	1	17	1	16
3276	0	0	0	0	0	0	0	0	1	610
3277	2	86	0	0	12	928	0	0	4	350
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	2	94	2	57	2	201
3503	2	235	0	0	5	937	0	0	2	2566
3505	3	430	4	320	4	505	1	102	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	3	612
3510	1	33	3	19	10	288	0	0	2	39
3511	0	0	0	0	8	614	0	0	3	543
3512	0	0	0	0	0	0	0	0	0	0
3515	2	32	1	12	1	6	0	0	0	0
3516	8	316	5	200	0	0	0	0	0	0
3518	4	318	4	29	10	119	5	65	1	441
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	1	12	3	701	0	0	0	0
3528	0	0	1	45	0	0	1	31	14	920
3529	2	99	0	0	1	33	0	0	0	0
3531	4	404	1	4	4	24	0	0	14	930
3532	2	59	4	54	4	27	1	11	27	464
3533	0	0	0	0	0	0	0	0	26	406
3538	40	2416	0	0	8	83	6	47	15	2601
3541	0	0	0	0	1	136	0	0	0	0
3542	0	0	0	0	0	0	0	0	1	433
3544	8	62	0	0	0	0	1	7	4	536
3546	2	96	0	0	4	209	3	82	6	870
3547	1	8	0	0	0	0	0	0	0	0
3549	2	515	2	35	5	44	1	4	5	46
3551	0	0	0	0	0	0	0	0	0	0
3553	12	280	0	0	0	0	4	371	1	12
3559	1	36	0	0	1	24	0	0	0	0
3565	2	10	4	49	3	204	3	42	10	1966
3566	0	0	0	0	1	34	0	0	0	0
3567	0	0	14	88	5	91	1	11	3	70
4000	30	819	102	1299	370	5172	150	862	182	3431
5000	113	148	97	109	2637	939	237	208	81	35
CUT YTD	290	10742	257	3105	3158	15169	445	2493	441	27105
1011	0	175	0	51	0	358	0	194	0	1678
3568	10	211	29	512	8	86	13	276	65	1185
3569	8	8	21	22	207	125	12	10	0	0
3571	1	292	0	0	2	468	0	0	1	274
3573	1	7	0	0	1	33	0	0	1	48
3575	19	244	13	157	15	178	14	329	10	265
3578	0	0	0	0	13	871	0	0	11	1045
3582	0	0	0	0	1	25	4	97	0	0
3583	0	0	1	153	0	0	0	0	1	1086
3584	4	139	4	36	4	195	3	76	54	1904
3588	9	322	6	111	15	1415	0	0	3	106
3589	0	0	0	0	1	41	0	0	5	670
3590	0	0	3	222	13	2816	1	18	4	566
3594	12	3326	1	123	0	0	0	0	0	0
3595	12	203	0	0	4	311	2	31	1	16
3598	37	5343	40	552	32	3080	19	760	21	1431
FRM YTD	113	10270	118	1939	316	10002	68	1791	177	10274
TOT YTD	403	21012	375	5044	3474	25171	513	4284	618	37379

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	9	1954	0	0	8	120	1	240
3045	1	144	3	1273	0	0	0	0	11	2540
3204	0	0	0	0	0	0	0	0	4	560
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	10	1193
3211	0	0	0	0	0	0	0	0	15	997
3216	0	0	0	0	0	0	0	0	4	920
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	7	0	0	0	0	1	45
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	4	241
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	1	3
3258	0	0	0	0	0	0	0	0	11	199
3264	0	0	0	0	0	0	0	0	4	448
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	1	217	2	600	0	0	0	0	7	464
3276	0	0	0	0	0	0	0	0	0	0
3277	2	30	0	0	6	109	2	27	0	0
3281	0	0	0	0	0	0	0	0	2	113
3283	0	0	0	0	0	0	0	0	2	159
3503	1	390	0	0	0	0	0	0	5	541
3505	2	215	0	0	0	0	0	0	13	1485
3507	0	0	0	0	0	0	0	0	2	469
3509	0	0	0	0	0	0	0	0	1	504
3510	0	0	1	87	0	0	1	25	7	425
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	1	30	0	0	0	0	2	135
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	3	22	0	0	0	0	2	36	48	2771
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	25	729	3	48	2	73	7	449
3528	0	0	4	595	0	0	0	0	39	3126
3529	0	0	5	234	0	0	0	0	4	887
3531	15	107	0	0	1	4	1	4	21	636
3532	5	54	2	152	0	0	2	21	3	60
3533	8	94	0	0	0	0	0	0	3	32
3538	9	706	5	604	0	0	17	3036	12	1385
3541	0	0	0	0	0	0	0	0	1	587
3542	0	0	0	0	0	0	0	0	1	447
3544	6	52	15	185	0	0	0	0	75	2330
3546	1	4	0	0	0	0	1	8	17	331
3547	0	0	0	0	0	0	0	0	0	0
3549	5	132	0	0	1	8	2	4	2	106
3551	0	0	0	0	0	0	1	37	0	0
3553	4	70	0	0	0	0	0	0	28	838
3559	2	22	5	400	0	0	1	13	2	540
3565	2	37	51	834	4	72	5	87	37	767
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	40	0	0	1	3	22	731
4000	28	513	25	530	107	167	48	141	89	1503
5000	224	195	135	85	6	9	120	74	1738	934
CUT YTD	319	3004	290	8339	128	417	214	3709	2256	30141
1011	0	69	0	206	0	0	0	35	0	631
3568	0	0	2	33	1	95	0	0	10	181
3569	33	29	18	17	5	4	19	13	130	81
3571	0	0	1	30	0	0	3	718	1	122
3573	1	20	0	0	0	0	1	35	9	210
3575	22	343	5	64	0	0	8	366	136	3525
3578	1	70	0	0	1	281	0	0	9	404
3582	6	847	1	49	2	120	1	240	1	30
3583	0	0	0	0	0	0	0	0	0	0
3584	13	388	7	111	0	0	1	16	71	4803
3588	7	286	1	15	0	0	1	63	30	4325
3589	1	21	19	589	0	0	0	0	13	414
3590	10	929	3	158	0	0	3	34	95	10888
3594	0	0	1	454	0	0	1	389	15	2105
3595	0	0	0	0	0	0	0	0	6	218
3598	90	1317	21	620	1	11	1	467	106	6317
FRM YTD	184	4319	79	2346	10	511	39	2376	632	34254
TOT YTD	503	7323	369	10685	138	928	253	6085	2888	64395

U S EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	KOREAN REP		PAKISTAN		S ARABIA		SINGAPORE		TAIWAN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	12	3473	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	2	1072
3204	17	668	0	0	0	0	1	118	8	180
3206	0	0	0	0	0	0	0	0	0	0
3209	3	758	0	0	0	0	2	69	1	50
3211	5	313	4	195	0	0	2	91	3	179
3216	5	6635	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	1	865
3247	3	650	0	0	0	0	0	0	0	0
3248	3	641	0	0	0	0	0	0	1	26
3249	0	0	0	0	0	0	0	0	0	0
3254	1	254	0	0	0	0	3	91	0	0
3255	0	0	0	0	0	0	1	75	4	551
3256	0	0	1	48	2	46	2	67	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	11	798	0	0	2	17	5	45	3	255
3264	2	4450	0	0	0	0	1	176	0	0
3266	10	1021	0	0	0	0	0	0	1	9
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	11	1543	0	0	0	0	0	0	1	14
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	1	12	16	284	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	21	3301	0	0	0	0	1	50	0	0
3503	4	909	0	0	0	0	0	0	2	427
3505	2	165	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	1	154	0	0	0	0	1	896	0	0
3510	5	641	0	0	0	0	2	7	3	71
3511	1	75	0	0	0	0	0	0	4	859
3512	1	186	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	2	87	0	0	0	0	0	0	0	0
3518	27	1335	0	0	5	42	14	307	13	81
3521	1	155	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	2	57
3525	16	740	0	0	0	0	0	0	2	278
3528	15	3923	0	0	0	0	2	325	18	1271
3529	9	407	0	0	0	0	0	0	0	0
3531	4	482	0	0	2	19	2	10	16	746
3532	31	515	0	0	0	0	3	34	14	198
3533	27	508	0	0	0	0	3	117	35	618
3538	13	1403	3	47	0	0	19	1598	10	943
3541	1	325	0	0	0	0	0	0	2	318
3542	2	477	0	0	0	0	0	0	0	0
3544	4	435	0	0	4	44	11	483	79	1411
3546	13	577	0	0	0	0	1	280	6	692
3547	0	0	4	174	0	0	0	0	0	0
3549	3	79	0	0	0	0	3	142	4	18
3551	1	89	0	0	0	0	0	0	0	0
3553	21	600	0	0	0	0	1	11	2	86
3559	6	85	0	0	0	0	2	41	2	69
3565	15	231	2	36	5	161	1	10	10	231
3566	15	2034	2	601	0	0	0	0	0	0
3567	29	524	0	0	1	10	6	108	8	304
4000	135	6440	65	278	5	42	65	946	59	417
5000	491	367	1	2	258	219	1026	395	490	185
CUT YTD	999	48453	82	1381	285	612	1196	6776	806	13024
1011	0	993	0	4	0	9	0	242	0	402
3568	55	1469	0	0	0	0	6	67	0	0
3569	84	46	0	0	17	16	99	89	18	14
3571	4	513	0	0	0	0	0	0	1	124
3573	5	88	0	0	0	0	1	16	8	187
3575	61	1501	0	0	0	0	14	121	18	1765
3578	4	107	0	0	0	0	0	0	1	175
3582	1	82	0	0	0	0	0	0	2	40
3583	1	809	0	0	1	9	0	0	0	0
3584	15	748	1	21	4	180	2	95	11	407
3588	21	3442	0	0	5	586	10	531	11	1457
3589	5	1208	0	0	1	25	0	0	0	0
3590	23	6010	0	0	0	0	6	85	23	1435
3594	12	4296	1	28	0	0	0	0	1	406
3595	11	397	0	0	0	0	0	0	0	0
3598	60	3566	7	371	12	797	26	1255	27	6188
FRM YTD	362	25275	9	424	40	1622	164	2501	121	12600
TOT YTD	1361	73728	91	1805	325	2234	1360	9277	927	25624

[illegible]

[illegible]	[illegible] NITS	[illegible] $000	OTHER ASIA NITS	OTHER ASIA $000	AUSTRALIA NITS	AUSTRALIA $000	NEW ZEALAND NITS	NEW ZEALAND $000	[illegible] OCEANIA NITS	[illegible] OCEANIA $000
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]41		[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	401	[illegible]	[illegible]		
[illegible]		46	8	5	1	14	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
3225	[illegible]	0	0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]247	[illegible]	[illegible]	0	[illegible]	0	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]246	[illegible]	0	0	0	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]247	[illegible]	[illegible]	0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]
3248	0	0	0	0	0	0	0	0	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	170	[illegible]	[illegible]	0	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	0	0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	85	[illegible]	[illegible]	0	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	109	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	0	[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	183	0	0	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	0	[illegible]	0	0	0	0	[illegible]	[illegible]
[illegible]	[illegible]	0	[illegible]	14	0	0	0	0	[illegible]	[illegible]
[illegible]	[illegible]	0	0	0	0	0	0	0	[illegible]	[illegible]
[illegible]	[illegible]	100	[illegible]	11	1	9	0	0	[illegible]	[illegible]
3503	[illegible]	0	0	[illegible]	[illegible]	110	0	0	[illegible]	[illegible]
3505	[illegible]	0	0	[illegible]	0	0	0	0	[illegible]	[illegible]
3507	[illegible]	0	[illegible]	[illegible]	0	0	0	0	[illegible]	[illegible]
3509	[illegible]	0	[illegible]	[illegible]	0	0	0	0	[illegible]	[illegible]
3510	[illegible]	0	[illegible]	[illegible]	[illegible]	0	0	0	[illegible]	[illegible]
[illegible]	[illegible]	0	0	[illegible]	0	0	0	0	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	0	[illegible]
[illegible]	[illegible]	0	0	[illegible]	[illegible]	9	0	0	[illegible]	[illegible]
3516	[illegible]	0	[illegible]	[illegible]	0	0	0	0	0	[illegible]
3519	[illegible]	11	10	[illegible]	6	53	1	35	0	[illegible]
3521	[illegible]	0	0	0	0	0	0	0	0	[illegible]
[illegible]	[illegible]	0	0	[illegible]	0	0	0	0	0	[illegible]
[illegible]	[illegible]	0	[illegible]	[illegible]	[illegible]	81	0	0	0	[illegible]
3528	[illegible]	184	0	[illegible]	[illegible]	0	0	0	0	[illegible]
[illegible]	[illegible]	197	0	0	0	0	0	0	0	[illegible]
[illegible]	[illegible]	171	2	9	11	113	0	0	[illegible]	4
[illegible]	[illegible]	6	11	204	22	170	[illegible]	29	[illegible]	[illegible]
[illegible]	[illegible]	164	6	114	[illegible]	0	[illegible]	0	0	[illegible]
[illegible]	[illegible]	28	10	[illegible]	2	200	[illegible]	8	0	[illegible]
[illegible]	0	0	0	0	0	0	0	0	0	[illegible]
3542	[illegible]	564	0	0	0	0	0	0	0	[illegible]
[illegible]	[illegible]	5	1	3	2	78	0	0	0	[illegible]
[illegible]	0	0	6	182	[illegible]	3	0	0	0	[illegible]
[illegible]	0	0	1	3	0	0	0	0	0	[illegible]
[illegible]	[illegible]	90	6	31	3	37	0	0	0	[illegible]
[illegible]	[illegible]	0	0	0	0	0	0	0	0	[illegible]
[illegible]	[illegible]	0	0	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3559	0	0	1	11	3	375	0	0	[illegible]	[illegible]
3565	[illegible]	18	8	86	8	61	2	19	0	[illegible]
3566	[illegible]	0	0	0	0	0	0	0	0	[illegible]
[illegible]	[illegible]	3	4	509	[illegible]	234	3	15	[illegible]	[illegible]
4000	4	357	112	858	59	776	4	101	[illegible]	[illegible]
[illegible]000	25	16	570	146	[illegible]	431	112	106	[illegible]	[illegible]
[illegible] YTD	59	4853	760	3126	556	3596	127	111	[illegible]	[illegible]
[illegible]	0	30	0	670	0	159	0	56	[illegible]	[illegible]
3508	1	3	12	295	0	0	5	61	[illegible]	[illegible]
3569	4	4	36	[illegible]	134	127	0	0	2	[illegible]
[illegible]	[illegible]	[illegible]	4	[illegible]	15	1298	0	[illegible]	[illegible]	[illegible]
3573	0	0	6	64	21	375	0	0	0	[illegible]
3575	[illegible]	[illegible]	187	3261	50	887	6	35	0	[illegible]
3578	0	0	3	[illegible]	2	35	0	0	0	[illegible]
3582	1	30	[illegible]	10	10	430	0	0	0	[illegible]
3583	0	0	0	[illegible]	[illegible]	0	0	0	0	[illegible]
3584	2	171	24	647	49	692	7	1743	0	[illegible]
3588	2	805	10	166	2	130	0	0	0	[illegible]
3589	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	101	[illegible]	[illegible]	[illegible]	[illegible]
3590	9	342	21	344	14	1250	[illegible]	[illegible]	[illegible]	[illegible]
3594	0	0	2	550	3	49	0	0	0	[illegible]
3595	0	0	0	[illegible]	0	0	0	0	0	[illegible]
3598	[illegible]	189	47	2370	[illegible]	2569	0	0	0	[illegible]
FRM YTD	22	2174	334	9158	[illegible]	8112	19	302	[illegible]	[illegible]
TOT YTD	81	5627	1094	12284	[illegible]	11708	146	[illegible]	1	4

[illegible]

[illegible]

[illegible]

[illegible]	[illegible] UNITS	$000	[illegible] UNITS	$000	[illegible] UNITS	$000
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	[illegible]	0	0	0	0
[illegible]	[illegible]	0	0	0	0	0
[illegible]	[illegible]	0	0	0	0	0
[illegible]	[illegible]	0	0	0	0	0
[illegible]	[illegible]	0	0	0	0	0
[illegible]	[illegible]	0	0	0	0	0
[illegible]	[illegible]	0	0	0	0	0
[illegible]	[illegible]	0	0	0	0	0
[illegible]	[illegible]	447	1	254	0	0
[illegible]	[illegible]	0	0	0	0	0
[illegible]	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0
[illegible]	0	0	6	161	1	118
[illegible]	0	0	1	100	0	0
[illegible]	0	0	1	64	0	0
[illegible]	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0
[illegible]	0	0	1	5	0	0
[illegible]	0	0	0	0	0	0
[illegible]	0	0	1	7	0	0
[illegible]	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0
[illegible]	0	0	2	54	0	0
3528	0	0	2	60	0	0
3529	0	0	0	0	0	0
[illegible]	0	0	2	10	0	0
[illegible]	[illegible]	37	21	205	0	0
[illegible]	0	0	0	0	0	0
3538	0	0	1	120	4	55
3541	0	0	0	0	0	0
3542	0	0	0	0	0	0
3544	0	0	0	0	0	0
3546	0	0	1	3	1	94
3547	0	0	0	0	0	0
3549	0	0	1	2	0	0
[illegible]	0	0	0	0	0	0
[illegible]	0	0	0	0	0	0
3559	0	0	1	475	0	0
3565	0	0	0	0	3	44
3566	0	0	0	0	0	0
3567	0	0	0	0	1	75
4000	0	0	24	327	9	60
5000	28	25	444	609	9	13
TOT ATO	41	789	510	2456	28	459
3011	0	9	0	33	0	267
3568	2	120	0	0	0	0
3569	0	0	17	5	0	0
3571	0	0	0	0	0	0
3573	0	0	0	0	0	0
3575	1	8	6	153	3	121
3578	0	0	0	0	0	0
3582	0	0	0	0	0	0
3583	0	0	0	0	0	0
3584	1	15	1	14	5	1250
3588	0	0	0	0	0	0
3589	0	0	0	0	0	0
3590	0	0	2	64	0	0
3594	0	0	0	0	0	0
3595	0	0	0	0	0	0
3598	0	0	1	5	15	519
COM ATO	4	152	27	275	23	2157
TOT ATO	45	941	537	2731	51	2616

	[illegible] NO.	$000	METAL FORMING NO.	$000	TOTAL NO.	$000
OTHER EUROPE						
AZORES	0	[illegible]	[illegible]	3	[illegible]	[illegible]
BULGARIA	3	[illegible]	[illegible]	409	[illegible]	492
CYPRUS	3	[illegible]	[illegible]	12	[illegible]	3
CZECHOSLOVAKIA	[illegible]	[illegible]	[illegible]	145	[illegible]	58
EAST GERMANY	0	[illegible]	[illegible]	28	1	28
FINLAND	41	349	51	900	92	1249
GIBRALTAR	0	[illegible]	0	0	0	0
GREECE	53	1747	6	124	59	1871
HUNGARY	7	1433	1	270	8	1703
ICELAND	13	14	19	5	32	19
MALTA	0	0	0	0	0	0
NORWAY	277	299	41	628	318	927
PORTUGAL	59	1590	14	433	73	2023
ROMANIA	0	0	0	0	0	[illegible]
OTHER EUROPE	0	0	0	0	[illegible]	[illegible]
TOTAL	488	4938	142	2955	630	[illegible]
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	182	123	2	77	184	200
BARBADOS	7	21	2	78	9	99
BELIZE	1	109	4	3	5	112
BERMUDA	10	40	0	0	10	40
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	90	283	97	181	187	464
DOMINICAN REP	82	372	20	359	102	731
FR W INDIES	0	0	0	0	0	0
GUATEMALA	44	115	10	78	54	193
HAITI	3	13	2	72	5	85
HONDURAS	17	54	12	761	29	815
JAMAICA	14	117	5	95	19	212
LW & WW IS	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
N ANTILLES	8	11	0	14	8	25
PANAMA	14	34	2	14	16	48
SALVADOR	42	205	3	215	45	420
TRINIDAD	20	86	3	189	23	275
TURK ISLAND	1	2	0	0	1	2
OTHER N & C AM	5	49	5	163	10	212
TOTAL	540	1634	167	2299	707	3933
OTHER SOUTH AMERICA						
BOLIVIA	33	24	0	0	33	24
CHILE	140	1194	30	684	170	1878
ECUADOR	124	209	28	611	152	820
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	6	4	0	0	6	4
PARAGUAY	7	38	0	0	7	38
PERU	103	914	6	470	109	1384
SURINAM	0	0	1	8	1	8
URAGUAY	31	105	3	18	34	123
OTHER ~~S AM~~	1	5	0	0	1	5
TOTAL	445	2493	68	1791	513	4284
OTHER OCEANIA						
FR PAC IS	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR PAC IS	0	0	0	0	0	0
OTH PAC IS	2	2	0	0	[illegible]	[illegible]
OTHER OCEANIA	1	4	0	3	[illegible]	[illegible]
TOTAL	3	6	0	3	3	[illegible]

[illegible]

	METAL CUTTING UNITS	METAL CUTTING $000	METAL FORMING UNITS	METAL FORMING $000	TOTAL UNITS	TOTAL $000
[illegible] ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	[illegible]	612	15	18	[illegible]	[illegible]
BAHRAIN	3	1	1	16	4	[illegible]
BANGLADESH	0	0	0	4	0	4
BRUNEI	0	0	0	0	0	0
BURMA	[illegible]	1	0	0	[illegible]	[illegible]
[illegible]	0	0	0	[illegible]	[illegible]	[illegible]
IRAN	0	0	0	0	0	0
IRAQ	15	10	0	0	15	10
JORDAN	18	48	1	261	19	[illegible]
KUWAIT	47	52	1	283	48	[illegible]
LEBANON	0	0	1	5	[illegible]	[illegible]
MALAYSIA	115	525	141	1054	[illegible]	[illegible]
NEPAL	0	0	0	0	0	[illegible]
OMAN	13	9	0	0	13	9
PHILIPPINES	379	678	31	921	410	1599
QATAR	6	15	1	29	7	[illegible]
SRI LANKA	0	0	0	0	0	[illegible]
SYRIA	0	0	0	0	0	[illegible]
THAILAND	120	1159	137	4547	257	5706
YEMEN	0	0	0	0	0	[illegible]
OTHER ASIA	0	0	0	0	0	[illegible]
TOTAL	760	3126	334	9158	1094	12284
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	1	199	1	199
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMENY	0	0	0	0	0	0
ETHIOPIA	7	55	1	28	8	83
GABON	2	92	0	0	2	92
GHANA	0	0	0	16	0	16
GUINEA	1	12	0	0	1	12
IVORY COAST	0	0	0	0	0	0
KENYA	2	12	2	12	4	24
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAGASY REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	1	2	0	0	1	2
MOROCCO	0	0	3	1023	3	1023
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	6	181	1	109	7	290
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	1	94	0	0	1	94
SWAZILAND	0	0	0	0	0	0
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	3	389	3	389
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	11	276	11	276
ZIMBABWE	4	3	[illegible]	96	[illegible]	96
OTH. WEST AFR	0	0	0	[illegible]	4	[illegible]
OTHER AFRICA	4	8	0	0	4	8
TOTAL	28	459	21	2157	51	2616

SOURCE: [illegible] DEPARTMENT OF COMMERCE CENSUS REPORT [illegible] NATIONAL MACHINE [illegible] BUILDERS' ASSOCIATION

NOTES: [illegible] DOLLAR AMOUNT LESS THAN $500 [illegible] NOT ELSEWHERE CLASSIFIED
[illegible] INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING

U S IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1988

RELEASED MARCH [illegible] 1989

		TOTAL UNITS	YTD $000
674	METAL CUTTING		
3025	Gear Hobbers	78	10773
3035	Gear Shapers	15	3744
3045	Gear Cutting Machines N E C	41	[illegible]
3404	Vertical Mach Ctrs ATC NC Y Axis Travel 26" or Less	788	40591
3406	Vertical Mach Ctrs ATC NC Y Axis Travel Over 26"	94	11004
3409	Horizontal Machining Centers ATC NC	588	[illegible]
3411	Machining Centers NC N E C	344	[illegible]
3412	Single Station and Multi-Station Transfer Machines	184	[illegible]
3413	Way Type Machines (Unit Heads)	0	0
3417	Horiz Boring-Drilling Milling Machines Table Type NC	16	1516
3418	Horiz Boring-Drilling-Milling Machines NC N E C	48	6880
3419	Vertical Boring-Drilling Milling Machines NC	135	3062
3422	Horiz Boring-Drilling-Milling Machines Non-NC	14	1658
3423	Vertical Boring-Drilling-Milling Machines Non-NC	192	5068
3328	Drilling Machines NC	273	11604
3329	Drilling Machines Multi-Spindle Non-NC	98	3238
3334	Drilling Machines Radial Non-NC	201	1329
3336	Drilling Machines Upright Single Spindle Non-NC	165	1574
3342	Drilling Machines Non-NC N E C	586	17666
3464	Milling Machines NC	468	12059
3466	Milling Machines Profiling Dupl & Die Sinking Non-NC	31	1896
3467	Milling Machines Knee Type Non-NC	3127	18442
3468	Milling Machines Bed Type Non-NC	314	11021
3469	Milling Machines Non-NC N E C	2277	39657
3476	Vertical Boring Machines Incl VTL's NC	10	2543
3477	Vertical Boring Machines Incl VTL's Non-NC	41	1538
3481	Boring Machines NC N E C	14	3018
3483	Boring Machines Non-NC N E C	368	10729
3504	Horizontal Lathes Multi-Spindle NC	170	20144
3506	Horizontal Lathes Single Spindle Less than 25 HP NC	3459	216263
3508	Horizontal Lathes Single Spindle 25-50 HP NC	522	64495
3510	Horizontal Lathes Single Spindle Over 50 HP NC	57	3974
3512	Horizontal Engine & Toolroom Lathes Non-NC	3381	30427
3513	Automatic Chucking Lathes Single Spindle Non NC	51	1135
3514	Automatic Chucking Lathes Multi-Spindle Non-NC	20	1579
3515	Automatic Bar Machines Single Spindle Non-NC	119	3394
3516	Automatic Bar Machines Multi-Spindle Non-NC	45	2217
3518	Horizontal Lathes Non-NC N E C	265	4977
3505	Vertical Lathes Multi-Spindle NC	67	9412
3519	Vertical Lathes NSPF NC	174	16470
3522	Vertical Lathes Excl VTL's Non-NC	1099	22400
3527	Gear Tooth Grinding & Finishing Machines	524	24538
3528	Tool & Cutter Grinding Machines NC	106	7240
3529	Tool & Cutter Grinding Machines Non-NC	1136	32896
3533	Honing & Lapping Machines	329	16200
3539	Grinding Machines Flat Surface NC	62	8236
3541	Grinding Machines Flat Surface Reciprocating Table Non-NC	732	11511
3543	Grinding Machines Flat Surface Non-NC N E C	2053	24055
3546	Grinding & Polishing Machines NC N E C	183	26937
3554	External Grinding Machines Non-NC	340	17823
3556	Internal Grinding Machines Non-NC	50	4463
3558	Grinding, Polishing & Buffing Machines Non-NC N E C	165	6227
3559	Grinding Machines Non-NC N E C	1409	44146
3562	Traveling Wire Electrical Discharge Machines	860	65245
3564	All Other Electrical Discharge Machines	359	15728
3567	Spark Erosion Ultrasonic & Electrolytic Machines NC	110	14267
3571	Spark Erosion Ultrasonic & Electrolytic Machines Non-NC	831	16604
3576	Metal Cutting Machines Tools NC N E C	283	18286
3577	Sawing & Cut-Off Machines Non-NC	1903	25558
3578	Broaching Machines Non-NC	119	3024
3579	Metal Cutting Machine Tools Non-NC N E C	1651	43419
4000	Metal Cutting Machine Tools Used or Rebuilt*	1962	20983
5000	Metal Cutting Machine Tools Less Than $2500**	1041115	[illegible]
	TOTAL CUTTING	1077326	1543327
674	METAL FORMING		
1010	Die Casting Machines	514	43685
3582	Metal Forming Machine Tools Used or Rebuilt	548	5674
3583	Metal Forming Machine Tools Less Than $2500	30421	11292
3584	Punching and Shearing Machines Incl Combination NC	273	30699
3586	Shearing Machines Non-NC	662	11575
3587	Punching & Combination Punching & Shearing Machines Non-NC	570	11374
3588	Bending Folding Straightening & Flattening Machines NC	276	20204
3589	Press Brakes Non-NC	570	18004
3591	Bending Rolls Ram & Press Bending Machines Non-NC	92	1598
3592	Bending Folding Str & Flattening Machines Non-NC N E C	1125	35677
3593	Metal Forming Machine Tools NC N E C	163	48263
3594	Mechanical Presses Non-NC	417	56926
3595	Hydraulic Presses Vertical Single Action Non-NC	78	36697
3596	Hydraulic & Pneumatic Presses Non-NC N E C	939	89978
3597	Headers & Upsetters Non-NC	98	10021
3598	Forging Machines Non NC N E C	117	14727
3599	Metal Forming Machine Tools Non-NC N E C	2597	63489
	TOTAL FORMING	39460	515382
	TOTAL ALL TYPES	1116786	[illegible]

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 3015 3415 3326 3461 3472 3502 3524 & 3573

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674 3100 3462 3473 3503 3526 & 3574

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
STA	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	1	20
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	6	927	0	0	0	0	0	0
3404	0	0	0	0	0	0	5	350	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	8	613	0	0
3411	5	204	18	340	0	0	5	641	[illegible]	1425
3412	0	0	0	0	0	0	0	0	7	2046
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	2	180	1	68
3422	0	0	0	0	0	0	0	0	1	403
3423	12	141	0	0	2	59	0	0	12	3116
3328	0	0	0	0	0	0	0	0	8	1501
3329	0	0	0	0	0	0	0	0	6	107
3334	0	0	0	0	0	0	0	0	0	0
3336	0	0	0	0	0	0	0	0	5	43
3342	9	170	1	39	2	41	3	89	67	2572
3464	5	58	0	0	0	0	0	0	16	3772
3466	0	0	3	9	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	3	98	0	0
3469	63	496	3	82	0	0	16	2922	101	2071
3476	0	0	0	0	0	0	0	0	1	571
3477	0	0	0	0	0	0	0	0	28	711
3481	0	0	0	0	0	0	0	0	1	74
3483	0	0	0	0	0	0	0	0	143	1965
3504	0	0	0	0	0	0	0	0	1	19
3506	0	0	0	0	0	0	6	303	1	89
3508	0	0	0	0	0	0	7	579	1	255
3510	0	0	0	0	0	0	0	0	0	0
3512	4	20	0	0	0	0	0	0	1	9
3513	0	0	0	0	0	0	0	0	1	12
3514	0	0	0	0	0	0	3	68	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	11	502	12	205
3505	0	0	0	0	0	0	0	0	0	0
3519	16	689	2	761	0	0	0	0	11	2216
3522	262	4132	0	0	0	0	1	8	13	2070
3527	0	0	2	268	0	0	0	0	2	185
3528	0	0	0	0	0	0	0	0	41	587
3529	2	140	0	0	7	42	15	232	24	710
3533	0	0	0	0	3	50	14	249	47	256
3539	0	0	0	0	0	0	0	0	4	1082
3541	0	0	0	0	0	0	0	0	103	1577
3543	50	420	0	0	0	0	4	22	16	830
3546	0	0	0	0	0	0	0	0	4	362
3554	0	0	1	10	0	0	1	57	10	748
3556	0	0	0	0	0	0	0	0	2	494
3558	0	0	0	0	0	0	0	0	24	902
3559	49	564	7	34	215	1271	79	710	153	2790
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	1	45	0	0	30	702	0	0
3567	0	0	0	0	0	0	0	0	1	354
3571	0	0	0	0	0	0	1	6	0	0
3576	0	0	0	0	0	0	10	225	1	17
3577	13	194	0	0	0	0	18	416	158	1017
3578	0	0	0	0	0	0	0	0	2	190
3579	4	109	4	43	12	143	100	1114	28	650
4000	2	136	11	369	3	8	14	65	72	833
5000	9631	1485	234	70	477	383	4116	2292	15227	2699
CUT YTD	10127	8968	293	2997	721	1997	4472	12443	16367	43043
1010	1	5	0	0	0	0	0	0	110	1208
3582	1	9	5	180	3	11	8	40	9	33
3583	216	39	541	211	76	97	932	730	1778	433
3584	0	0	0	0	0	0	0	0	1	60
3586	1	83	89	1730	1	27	0	0	40	598
3587	0	0	0	0	1	6	1	48	121	3160
3588	0	0	5	1323	7	125	3	349	12	1615
3589	0	0	84	4743	2	162	0	0	7	27
3591	0	0	0	0	0	0	0	0	9	95
3592	1	7	20	1201	2	205	9	1132	178	6965
3593	0	0	2	8	0	0	0	0	2	381
3594	0	0	0	0	3	9	0	0	4	2879
3595	7	157	0	0	9	51	0	0	0	0
3596	0	0	16	1266	1	322	7	319	27	3867
3597	0	0	20	121	0	0	0	0	15	2031
3598	0	0	0	0	1	125	0	0	19	954
3599	2	52	315	5061	3	690	200	1971	220	6224
FRM YTD	224	362	1097	15844	109	1830	1160	4589	2552	33530
TOT YTD	10351	9330	1390	18841	830	3827	5632	17032	18919	76573

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1988

	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
[illegible]	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	0	0	0	0	[illegible]	133
3035	0	0	0	0	0	0	0	2	0	0
3045	0	0	0	0	1	6	1	91	0	0
3404	0	0	0	0	1	59	0	0	0	0
3406	0	0	0	0	0	0	0	0	0	0
3408	[illegible]	421	0	0	[illegible]	163	8	140	0	0
3411	0	0	0	0	1	41	4	535	17	1336
3412	0	0	0	0	0	0	0	0	18	1174
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	4	391	0	0
3418	0	0	0	0	0	0	2	49	0	0
3419	1	128	0	0	0	0	1	52	8	1150
3422	0	0	0	0	1	200	0	0	5	157
3423	3	232	0	0	0	0	0	0	1	54
3328	0	0	0	0	12	128	0	0	0	0
3329	0	0	0	0	1	4	0	0	0	0
3334	0	0	7	45	35	265	2	42	0	0
3336	0	0	0	0	1	4	28	184	0	0
3342	2	48	14	81	88	309	27	691	7	139
3464	0	0	0	0	58	803	2	49	2	27
3466	0	0	0	0	0	0	0	0	1	10
3467	0	0	0	0	1226	7202	0	0	0	0
3468	1	101	0	0	51	997	4	406	1	81
3469	1	39	0	0	176	1702	7	427	17	192
3476	0	0	0	0	0	0	0	0	1	884
3477	0	0	0	0	0	0	0	0	0	0
3481	0	0	0	0	0	0	0	0	0	0
3483	2	39	0	0	3	12	0	0	17	1261
3504	0	0	0	0	0	0	0	0	0	0
3506	0	0	0	0	0	0	0	0	1	1
3508	2	231	0	0	9	1003	3	317	5	1182
3510	0	0	0	0	0	0	26	479	1	17
3512	0	0	0	0	19	894	0	0	1	4
3513	0	0	0	0	0	0	0	0	0	0
3514	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	6	628
3516	3	86	0	0	0	0	0	0	8	481
3518	1	87	0	0	0	0	5	15	8	150
3505	0	0	0	0	0	0	0	0	9	1390
3519	1	6	0	0	5	287	0	0	4	793
3522	0	0	0	0	14	336	2	18	12	192
3527	0	0	0	0	0	0	7	26	79	10068
3528	0	0	0	0	1	129	0	0	0	0
3529	0	0	0	0	8	607	21	79	118	1107
3533	0	0	0	0	4	337	3	179	1	9
3539	0	0	0	0	7	119	0	0	6	917
3541	0	0	0	0	0	0	0	0	4	78
3543	2	866	0	0	2	124	1	7	43	2148
3546	1	423	0	0	1	550	0	0	7	1574
3554	1	84	0	0	0	0	12	918	77	2195
3556	1	13	0	0	0	0	0	0	2	288
3558	50	1229	0	0	18	48	0	0	29	1031
3559	7	514	0	0	11	497	59	1307	56	2682
3562	0	0	0	0	15	455	0	0	125	13638
3564	0	0	0	0	0	0	1	5	50	4798
3567	0	0	0	0	0	0	0	0	0	0
3571	0	0	0	0	1	83	1	5	6	347
3576	0	0	0	0	2	33	2	363	5	641
3577	47	361	1	19	2	23	1	5	6	360
3578	0	0	0	0	1	4	0	0	1	754
3579	13	506	0	0	22	190	14	291	38	1198
4000	7	30	0	0	34	327	13	116	73	972
5000	4787	1164	28	43	2566	158	1799	1956	5130	512
CUT YTD	4934	6998	50	188	4399	18099	2060	10343	6057	76421
1010	11	56	5	140	0	0	0	0	2	610
3582	1	53	0	0	9	63	10	41	26	233
3583	244	127	6	2	524	234	469	195	1807	196
3584	2	74	0	0	0	0	0	0	16	1681
3586	7	109	12	196	22	176	4	111	0	0
3587	0	0	1	50	204	2020	57	868	8	165
3588	1	44	0	0	0	0	0	0	8	558
3589	0	0	34	318	0	0	1	665	4	163
3591	0	0	0	0	0	0	54	964	1	53
3592	42	1669	1	4	0	0	83	1238	23	694
3593	0	0	0	0	0	0	3	92	1	49
3594	1	321	4	44	0	0	0	0	16	2263
3595	0	0	0	0	1	4	1	78	0	0
3596	2	1338	11	147	1	32	20	10216	13	1677
3597	0	0	1	5	0	0	0	0	1	183
3598	0	0	0	0	1	22	1	4	3	1007
3599	19	273	0	0	28	1471	86	1025	87	8922
FM YTD	330	4064	75	906	790	4022	789	15497	2016	18454
TOT YTD	5264	11062	125	1094	5189	22121	2849	25840	8073	94875

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1988

	U. KINGDOM		W. GERMANY		YUGOSLAVIA		CANADA		BRAZIL	
STA	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
[illegible]	1	5	46	8366	0	0	0	0	0	0
[illegible]	[illegible]	573	10	2695	0	0	0	0	0	0
[illegible]	1	50	[illegible]	1452	0	0	0	0	0	0
3404	[illegible]	2398	24	2751	0	0	0	0	0	0
3406	0	[illegible]	[illegible]	185	0	0	0	0	0	0
3409	88	1466	[illegible]	4478	0	0	0	0	0	0
3411	38	3063	53	12340	0	0	16	546	0	0
3412	1	337	93	25218	0	0	0	0	0	0
3413	0	0	0	0	0	0	0	0	0	0
3417	1	758	0	0	0	0	0	0	0	0
3418	2	48	10	4164	4	214	0	0	1	510
3419	0	0	77	6729	4	201	1	40	0	0
3420	0	0	2	320	0	0	1	19	0	0
3423	4	1190	17	799	0	0	0	0	0	0
3428	1	61	1	26	0	0	0	0	0	0
3429	0	0	10	361	0	0	0	0	24	[illegible]
3438	0	0	2	6	0	0	1	4	13	[illegible]
3436	0	0	42	358	0	0	5	34	0	[illegible]
3442	29	789	112	8882	0	0	46	1726	5	[illegible]
3464	159	5026	72	4191	0	0	2	148	0	[illegible]
3466	5	219	5	83	0	0	0	0	0	0
3467	166	654	2	14	0	0	0	0	0	0
3468	3	101	79	7088	0	0	0	0	0	0
3469	1082	10005	93	11099	0	0	43	508	1	15
3476	3	213	1	381	0	0	0	0	0	0
3477	2	155	4	150	0	0	0	0	0	0
3481	1	169	2	290	0	0	0	0	0	0
3483	11	1590	104	2019	0	0	29	433	0	0
3504	2	210	4	1058	0	0	0	0	0	0
3506	149	3364	78	10076	0	0	0	0	66	167
3508	2	334	13	2148	0	0	0	0	12	54
3510	0	0	4	202	0	0	0	0	0	0
3512	599	7275	1	1311	116	881	5	51	572	1496
3513	0	0	1	3	0	0	0	0	6	107
3514	10	484	1	537	0	0	0	0	0	0
3515	0	0	4	97	0	0	0	0	0	0
3516	8	790	1	34	0	0	1	29	0	0
3518	28	723	7	1018	0	0	3	23	155	53
3505	2	200	3	70	0	0	0	0	0	0
3519	6	171	11	1773	0	0	2	113	0	0
3522	145	2661	38	3542	0	0	94	1834	87	463
3527	36	936	56	9014	0	0	1	9	0	0
3528	3	323	6	419	0	0	1	52	0	0
3529	170	2423	380	20096	0	0	35	756	0	0
3533	117	1863	34	4962	0	0	3	17	0	0
3539	9	1372	13	2789	0	0	0	0	0	0
3541	0	0	12	990	0	0	0	0	0	0
3543	17	801	179	3321	13	100	58	256	2	200
3546	3	296	99	12360	0	0	0	0	0	0
3554	23	329	75	834	0	0	17	13	0	0
3556	0	0	24	2603	0	0	0	0	0	0
3558	4	17	3	115	0	0	0	0	0	0
3559	113	4543	208	8654	0	0	38	480	0	0
3562	2	45	6	463	0	0	0	0	0	0
3564	8	105	33	1818	0	0	1	30	0	0
3567	8	205	8	780	0	0	0	0	0	0
3571	56	4741	81	3848	0	0	6	144	0	0
3576	17	536	49	7322	0	0	10	230	0	0
3577	261	914	285	3887	86	247	149	1549	0	0
3578	22	1218	91	1324	0	0	0	0	0	0
3579	252	4586	349	9252	0	0	298	6630	2	17
3000	338	2930	228	4060	3	113	380	1236	2	42
5000	6815	2425	15594	2897	186	285	6824	2341	82	136
CUT YTD	11005	88690	18893	228142	412	2041	8055	19251	1032	6310
3010	29	326	79	1933	0	0	161	12018	0	0
3582	114	366	33	635	0	0	196	2168	0	[illegible]
3583	288	110	3509	2331	0	0	533	373	1	[illegible]
3584	1	297	76	5714	0	0	0	0	0	0
3586	148	907	59	1846	0	0	46	1142	3	15
3587	6	24	67	993	0	0	30	757	0	0
3588	10	1461	18	2759	0	0	20	763	0	0
3589	3	34	2	168	1	6	140	4271	0	0
3591	11	66	2	100	0	0	7	211	0	0
3592	49	2898	114	2270	0	0	312	6095	2	8
3593	3	967	2	1366	0	0	1	813	0	0
3594	12	2519	56	4836	1	220	17	663	6	235
3595	2	261	5	269	0	0	20	954	5	4378
3596	133	1456	72	5995	0	0	152	1602	12	18587
3597	0	0	7	452	0	0	3	37	0	0
3598	19	106	27	1792	0	0	1	14	0	0
3599	114	5316	635	15869	0	0	200	5475	14	58
FRM YTD	942	17114	4763	49328	2	226	1839	37356	43	23242
TOT YTD	11947	105804	23656	277470	414	2267	9894	56607	1075	29552

[illegible] IMPORTS OF MACHINE TOOLS [illegible] SUMMARY
[illegible] COUNTRY OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1988

674	CHINA UNITS	CHINA $000	ISRAEL UNITS	ISRAEL $000	JAPAN UNITS	JAPAN $000	KOREAN REP UNITS	KOREAN REP $000	SINGAPORE UNITS	SINGAPORE $000
3018	3	26	0	0	15	1929	1	120	0	0
3019	0	0	0	0	2	476	0	0	0	0
3044	2	48	0	0	[illegible]	22	0	0	0	0
3404	6	70	0	0	368	15739	1	87	90	348
3406	0	0	0	0	70	8984	0	0	0	0
3409	5	31	0	0	510	100283	10	156	0	0
3411	5	75	1	170	178	17942	25	1301	0	0
3412	0	0	0	0	45	22282	1	0	0	0
3413	0	0	0	0	[illegible]	[illegible]	0	0	0	0
3417	0	0	0	0	[illegible]	257	0	0	0	0
3418	0	0	0	0	27	1795	0	0	0	0
3419	0	0	0	0	10	2718	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	2	11	0	0	0	0
3328	0	0	0	0	243	9719	0	7	0	0
3329	0	0	0	0	57	637	3	[illegible]	0	0
3334	11	50	0	0	3	96	0	0	0	0
3336	11	92	0	0	5	78	0	0	0	0
3341	1	15	0	0	88	1192	2	70	1	0
3464	0	0	0	0	72	14351	0	[illegible]	6	171
3466	0	0	0	0	10	1219	0	0	0	0
3467	12	148	0	0	30	1214	0	0	0	0
3468	42	194	2	61	41	1136	0	0	0	0
3469	115	555	10	683	65	2999	3	64	6	71
3476	0	0	0	0	3	494	0	0	0	0
3477	0	0	0	0	3	125	3	128	0	0
3481	0	0	0	0	10	2485	0	0	0	0
3483	0	0	15	45	20	578	0	0	0	0
3504	5	41	0	0	152	18481	0	0	0	0
3506	7	31	0	0	2769	188087	125	5837	55	951
[illegible]	0	0	0	0	444	57281	5	274	0	0
[illegible]	4	33	0	0	22	3243	0	0	0	0
3512	237	1074	0	0	34	1111	319	2468	204	1995
3513	0	0	0	0	8	762	0	0	0	0
3514	0	0	0	0	6	490	0	0	0	0
3515	2	10	0	0	83	2411	0	0	0	0
3516	0	0	0	0	24	817	0	0	0	0
3518	11	83	0	0	12	1420	0	0	0	0
3505	10	28	0	0	39	7595	0	0	0	0
3519	0	0	0	0	81	8325	33	1250	0	0
3522	113	445	0	0	93	4352	122	1532	2	14
3527	0	0	0	0	143	2677	0	0	0	0
3528	0	0	0	0	52	5706	0	0	0	0
3524	18	57	0	0	124	3726	0	0	0	0
3533	0	0	0	0	101	8159	1	116	0	0
3539	0	0	0	0	20	1699	2	153	0	0
3541	0	0	0	0	45	2768	0	0	486	5520
3543	28	135	1	109	496	7850	0	0	0	0
3546	0	0	0	0	66	11251	0	0	0	0
3554	8	89	0	0	95	2248	0	0	0	0
3556	7	66	0	0	10	925	0	0	0	0
3558	9	120	0	0	7	580	0	0	0	0
3559	37	568	0	0	209	18194	0	0	0	0
3562	0	0	0	0	639	50076	0	0	0	0
3564	3	38	0	0	118	6901	1	12	0	0
3567	0	0	0	0	90	12821	0	0	0	0
3571	6	54	0	0	619	7138	0	0	0	0
3576	1	18	0	0	173	8070	0	0	0	0
3577	2	15	33	1619	352	12348	4	126	1	6
3578	0	0	0	0	2	34	0	0	0	0
3579	3	20	0	0	392	17669	1	5	0	0
4000	0	0	1	2	219	8391	2	12	10	11
5000	54367	3018	328	20	89763	14988	1157	298	84	75
CUT YTD	55101	7422	392	2709	100361	829245	1820	14409	904	10962
3010	0	0	0	0	77	27326	0	0	0	0
3582	0	0	1	50	112	1098	2	24	0	0
3583	17	24	6	11	5890	2233	507	182	222	114
3584	0	0	0	0	176	22660	0	0	0	0
3586	0	0	18	346	130	3361	1	15	54	593
3587	0	0	0	0	35	2790	0	0	0	0
3588	1	14	0	0	179	10758	0	0	0	0
3589	0	0	4	128	172	6015	1	22	54	778
3591	0	0	0	0	8	109	0	0	0	0
3592	0	0	18	187	218	10726	4	29	0	0
3593	0	0	0	0	137	44120	0	0	0	0
3594	0	0	0	0	253	11276	0	0	0	0
3595	0	0	0	0	29	30456	0	0	0	0
3596	9	51	0	0	361	37662	0	0	0	0
3597	0	0	2	76	49	7116	0	0	0	0
3598	2	58	0	0	11	3852	0	0	0	0
3599	1	10	20	281	561	15648	41	187	7	86
FRM YTD	30	187	69	1079	8398	273206	556	459	332	1571
TOT YTD	55131	7609	461	3788	108759	1112451	2376	14868	1236	12133

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRY OF ORIGIN BY TYPE OF MACHINE
NOVEMBER 1988

	TAIWAN		AUSTRALIA		ALL OTHERS	
STA	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	8	180
3035	0	0	0	0	0	0
3045	0	0	0	0	1	16
3404	155	7169	0	0	0	0
3406	78	835	0	0	0	0
3409	6	140	0	0	0	0
3411	8	799	0	0	5	802
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	10	130	0	0	0	0
3418	0	0	0	0	0	0
3419	20	566	0	0	0	0
3422	0	0	0	0	1	64
3423	138	544	0	0	1	12
3328	6	169	0	0	0	0
3329	0	0	0	0	0	0
3334	122	593	0	0	5	28
3336	59	457	0	0	2	224
3342	71	678	1	3	7	110
3464	73	2333	1	20	0	0
3466	5	356	0	0	0	0
3467	1678	8964	0	0	13	146
3468	84	727	1	10	2	521
3469	438	3209	2	912	35	706
3476	0	0	0	0	0	0
3477	0	0	0	0	1	69
3481	0	0	0	0	0	0
3483	0	0	2	36	22	751
3504	6	335	0	0	0	0
3506	189	7238	0	0	13	216
3508	19	837	0	0	0	0
3510	0	0	0	0	0	0
3512	1006	6609	0	0	263	3229
3513	35	251	0	0	0	0
3514	0	0	0	0	0	0
3515	24	248	0	0	0	0
3516	0	0	0	0	0	0
3518	11	60	0	0	1	38
3505	3	116	0	0	1	13
3519	0	0	0	0	2	86
3522	56	488	9	101	16	212
3527	173	1141	1	22	4	192
3528	2	24	0	0	0	0
3529	187	1066	14	177	13	178
3533	0	0	0	0	1	3
3539	6	105	0	0	0	0
3541	82	578	0	0	0	0
3543	1107	6384	0	0	34	482
3546	1	10	0	0	1	111
3554	34	247	0	0	2	51
3556	0	0	0	0	4	74
3558	18	129	0	0	3	56
3559	137	957	5	160	26	221
3562	50	383	23	235	0	0
3564	39	444	74	830	0	0
3567	0	0	0	0	3	107
3571	52	45	2	193	0	0
3576	8	528	3	255	2	48
3577	476	2422	1	7	7	23
3578	0	0	0	0	0	0
3579	109	604	1	154	9	238
4000	466	594	6	21	78	715
5000	767971	68024	392	199	53557	1878
CUT YTD	775168	128836	538	3335	54165	10900
1010	4	43	0	0	35	20
3582	6	76	7	214	5	380
3583	12057	2909	1	1	797	739
3584	0	0	0	0	1	213
3586	14	87	0	0	13	233
3587	17	226	0	0	22	267
3588	0	0	0	0	12	435
3589	53	408	0	0	8	96
3591	0	0	0	0	0	0
3592	19	122	0	0	30	227
3593	4	99	0	0	8	366
3594	38	1194	0	0	6	467
3595	2	26	0	0	2	53
3596	65	986	0	0	37	1445
3597	0	0	0	0	0	0
3598	32	293	0	0	0	0
3599	17	183	6	57	26	650
FRM YTD	12328	6652	14	272	1052	5593
TOT YTD	787496	135488	552	3607	55217	16493

U.S. IMPORTS OF MACHINE TOOLS, YEAR TO DATE SUMMARY TOTAL AND COUNTRIES OF ORIGIN
THE FOLLOWING IS A BREAKDOWN [illegible] BY COUNTRY AND [illegible]
[illegible]
DECEMBER 1986

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ADEN	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATES	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	249	119	27	159	276	278
INDIA	254	810	30	38	284	848
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	608	82	0	0	608	82
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	1	2	1	5	2	7
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	17	39	0	0	17	39
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	22	24	22	24
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	1129	1052	80	226	1209	1278
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	5	46	1	115	6	161
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	1	67	1	67
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG. REP.	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	1	52	1	52
NIGERIA	0	0	0	0	0	0
REP. S. AFRICA	6	4	220	41	226	45
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S. W. AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWAZILAND	3	24	0	0	3	24
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH. WEST AFR	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	14	74	223	275	237	349

SOURCE: U.S. DEPARTMENT OF COMMERCE CENSUS REPORT NO. IM146, NATIONAL MACHINE TOOL BUILDERS' ASSOCIATION

NOTES: (1) -0- = DOLLAR AMOUNT LESS THAN $500 (2) N.E.C. = NOT ELSEWHERE CLASSIFIED (3) INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING (4) MACHINE TOOL IMPORTS AS REFLECTED IN THE GOVERNMENT STATISTICS ARE ACTUALLY UNDERVALUED SINCE THEY REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT, INSURANCE, COMMISSIONS OR IMPORT DUTIES

[illegible] MACHINE TOOL [illegible] SUMMARY [illegible]
[illegible] BREAKDOWN [illegible]
[illegible]
DECEMBER 1985

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	[illegible]	0	[illegible]
BULGARIA	0	[illegible]	0	5	[illegible]	[illegible]
CYPRUS	0	[illegible]	0	0	[illegible]	0
CZECHOSLOVAKIA	48	1651	1	1	39	1652
EAST GERMANY	71	3121	5	238	76	3359
FINLAND	21	430	148	1791	169	2221
GIBRALTAR	0	0	0	0	0	0
GREECE	1	4	12	431	13	435
HUNGARY	17	371	0	0	17	371
ICELAND	0	0	0	0	0	0
IRELAND	104	27	10	1	114	[illegible]
MALTA	0	0	0	0	0	0
NORWAY	8	132	55	530	63	662
POLAND	223	3250	0	0	223	3250
ROMANIA	1	10	0	0	1	10
USSR	5	411	2	23	7	434
OTHER EUROPE	96	118	6	1	102	119
TOTAL	645	7525	239	3018	884	10543
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	10	34	10	34
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP	120	41	0	0	120	41
FR W INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LW & WW IS	0	0	0	0	0	0
MEXICO	52214	1875	392	1604	52606	3479
NICARAGUA	0	0	0	0	0	0
N ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM	0	0	0	0	0	0
TOTAL	52334	1916	402	1638	52736	3554
OTHER SOUTH AMERICA						
ARGENTINA	32	285	1	47	33	332
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	4	8	4	8
ECUADOR	3	26	0	0	3	26
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	7	15	0	0	7	15
OTHER S AM	0	0	0	0	0	0
TOTAL	42	326	5	55	47	381
OTHER OCEANIA						
FR PAC IS	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	1	7	53	381	54	388
SAMOA	0	0	0	0	0	0
TERR PAC IS	0	0	0	0	0	0
OTH PAC IS	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	1	7	53	381	54	388

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July 19, 1989

Dear Data User:

Enclosed is the first quarter 1989 foreign trade report. Because of recent changes in U.S. customs' import and export commodity classifications and Association data processing procedures, both the format and content of the report have been updated. The numerical codes shown for each machine type are the Harmonized System codes. Note, however, that the match between the old and new coding system in terms of product coverage is largely the same.

Beyond the change in product codes the new report affords additional detail, such as totals for **NC machines**, as well as a section for **"Other Manufacturing Technology"** trade. Included in this section are trade figures on **machine tool parts, plastics machinery, robots, numerical controllers, and certain testing equipment**. In addition, a new feature called **"Monthly Focus"** has been added to the analysis portion of the report, where current and emerging trends will be highlighted. The new report will also be reaching your desk sooner, as data processing turnaround time has been improved significantly.

It is our aim to bring you the most timely, accurate, and useful data and information possible. If you have any questions or comments, please do not hesitate to contact either myself (703-897-5260) or Sandy May, Supervisor of Data Production (703-827-5258).

Sincerely,

Glyn Finley

Glyn Finley
Statistical Director

TGF:gmc

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N5620-

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL
No. 91-89 July 19,1989

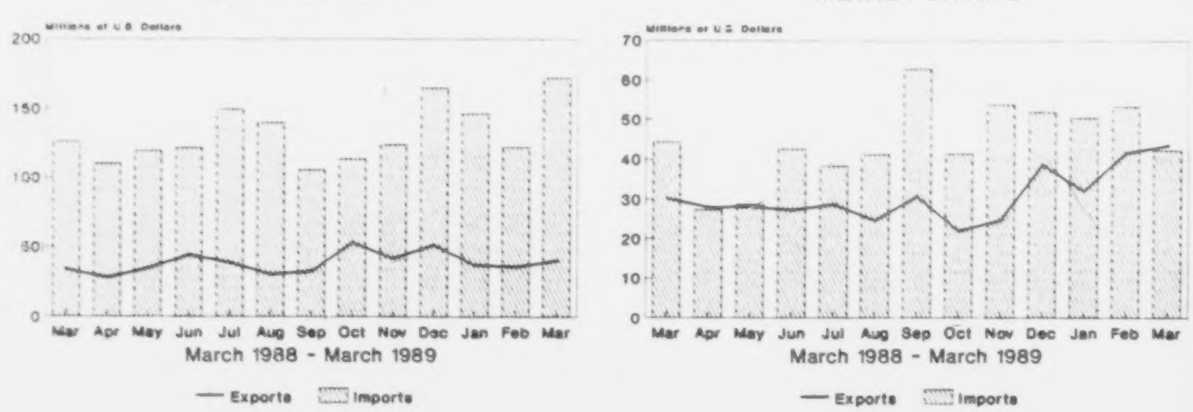
U.S. FOREIGN TRADE IN MACHINE TOOLS
FIRST QUARTER 1989

During the first quarter of 1989, U.S. machine tool exports increased at a faster rate than imports for both metal cutting and metal forming machines. The metal forming trade balance improved markedly compared with the first quarter of 1988, as the overall balance improved slightly.

U.S. MACHINE TOOL FOREIGN TRADE SUMMARY

	1989 1st Qtr.	1988 1st Qtr.	% Change '88-'89
Metal Cutting			
Imports	$440.5	$394.1	11.8%
Exports	$113.6	$ 88.8	27.9%
Balance	-$326.9	-$305.3	7.1%
Metal Forming			
Imports	$146.1	$127.4	14.7%
Exports	$117.0	$ 72.0	62.5%
Balance	-$ 29.1	-$ 55.4	-47.5%
Total			
Imports	$586.6	$521.5	12.5%
Exports	$230.6	$160.8	43.4%
Balance	-$356.0	-$360.7	-1.3%

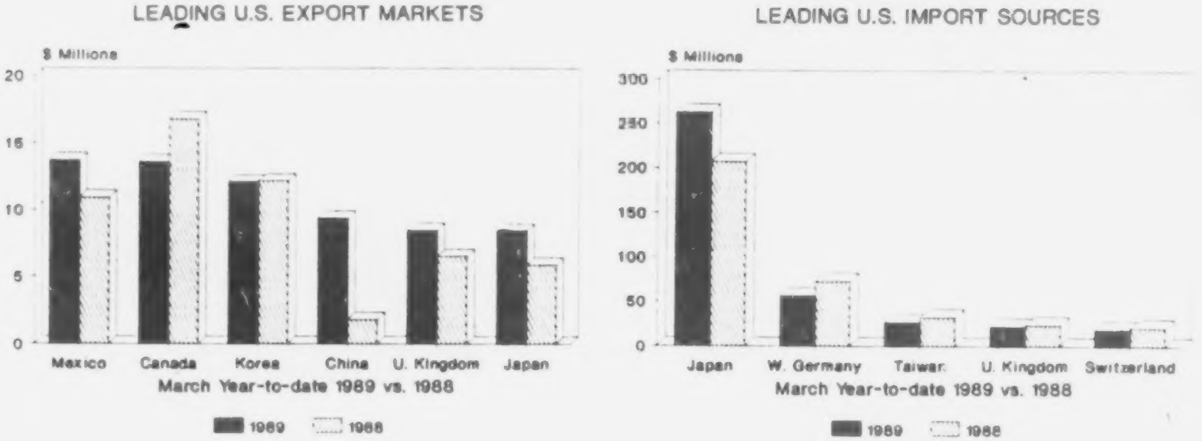
MONTHLY U.S. TRADE IN MACHINE TOOLS



METAL CUTTING

Exports

First quarter 1989 exports of metal cutting machine tools increased 28% compared with 1988. Mexico represented the largest export market at $13.7 million, up 25% over the first three months of 1988. China showed the largest increase among top markets, up over four-fold from 1988 to $9.3 million. Over three-quarters of U.S. metal cutting exports to China were NC machines (see detailed data). The top six metal cutting export markets represented only 58% of the export total, pointing to the diversity of export opportunities (see Monthly Focus). Exports to markets not in the top six increased by 38% compared with 1988, and accounted for 37% of U.S. metal cutting NC exports.



METAL CUTTING MACHINE TOOL FOREIGN TRADE

Imports

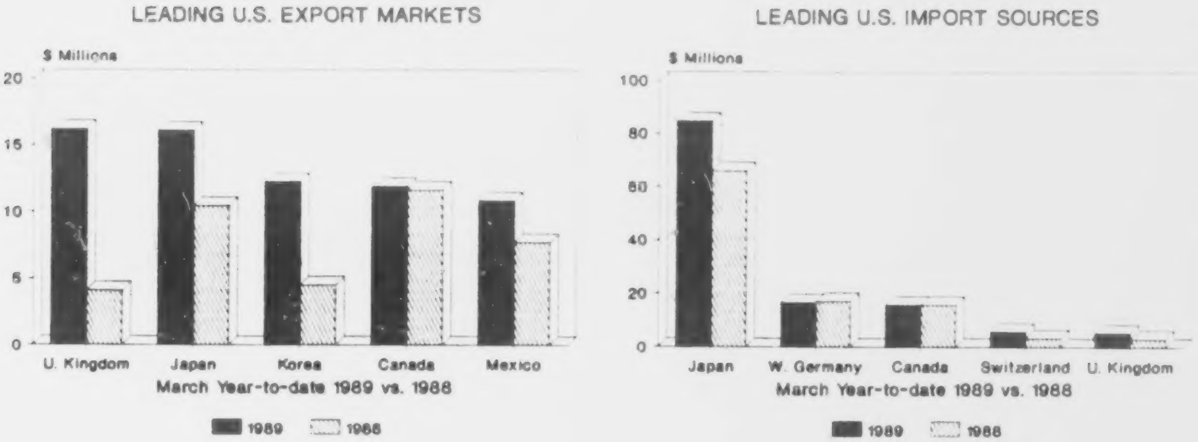
First quarter growth of nearly 12% in U.S. imports of metal cutting machine tools was led by Japan, up 27% to $262.1 million. Japan accounted for 60% of U.S. metal cutting imports, and 80% of the NC total. All other leading import sources showed a decline in shipments to the United States, with second place West Germany falling 23% to $56.2 million. Countries showing significant gains in shipments to the United States include France, up from $2.4 million during the first quarter of 1988 to $10.1 million in 1989; Singapore, up 68% to $2.8 million. In addition, Brazil more than doubled exports to the United States to $2.0 million and Belgium increased 84% to $1.9 million.

METAL FORMING

Exports

U.S. exports of metal forming machines experienced gains to each top market during the first quarter of 1989, enroute to a 63% increase. Shipments to the United Kingdom nearly quadrupled compared with the first quarter of 1988, to $16.2 million; while exports to Korea more than doubled to $12.2 million. Canada accounted for the largest share of U.S. metal forming NC exports, at $4.7 million, or 40% of the country's U.S. import total. Countries not in the top five accounted for 43% of U.S. metal forming machine tool exports during the first quarter.

METAL FORMING MACHINE TOOL FOREIGN TRADE



Imports

U.S. imports of metal forming machine tools from Japan jumped 28% to $84.5 million, representing 58% of the U.S. import total. Switzerland and the United Kingdom each posted gains of over 70% to $5.7 and $5.3 million respectively. Imports from those countries not in the top five actually fell compared with the first quarter of 1988, down from 18% of the total in 1988, to 13% in 1989.

Other Manufacturing Technology

Exports

U.S. exports of machine tool parts and accessories amounted to $152.0 million during the first quarter of 1989. In addition, the United States exported $8.4 million in numerical controllers for machine tools. These parts figures compare with U.S. exports of metal cutting and metal forming machine tools of $113.6 and $117.0 million, respectively. For the most part, top parts markets correspond to leading machine tool sales markets. During the first quarter of 1989 Canada and Japan were the leading U.S. machine tool parts export markets, with sales of $21.8 and $18.7 million respectively. In all, the United States exported $1.0 million or more worth of machine tool parts to each of 27 countries during the first quarter.

U.S. exports of injection molding machinery for thermoplastics reached $14.6 million during the first three months of 1989, with Canada ($4.6 million), Mexico ($3.0 million), and Korea ($2.8 million) the top export markets. Canada and Korea each accounted for $1.6 million of the U.S. total of $8.4 million in exports of blow molding machines; while Canada and Venezuela were the top markets for U.S. exports of $8.0 million of extruders for processing thermoplastics. For the first quarter, U.S. robot exports reached $11.1 million, with Canada and Mexico the top markets. U.S. exports of machines and appliances for testing metals amounted to $23.0 million, as exports to Japan amounted to $6.9 million, and to Korea $4.0 million.

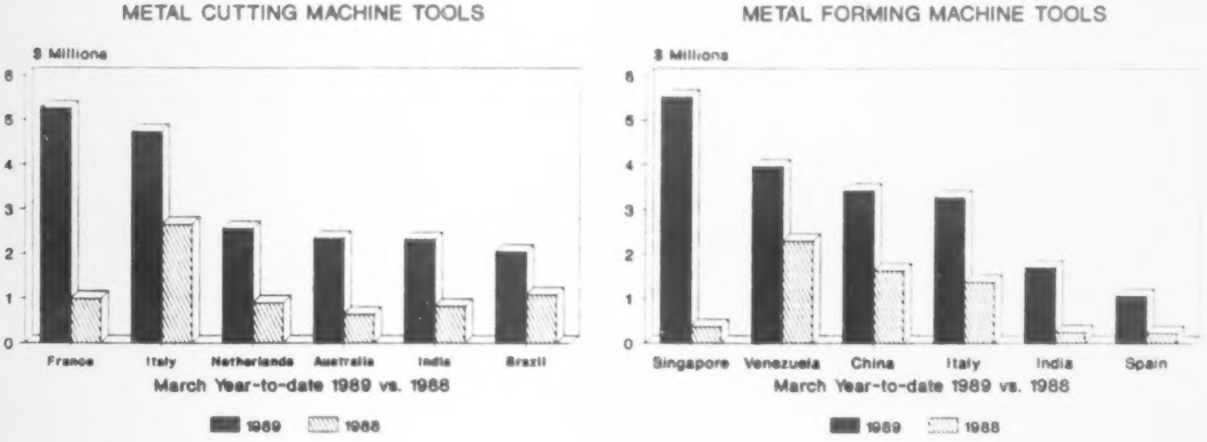
Imports

U.S. imports of machine tool parts reached $164.3 million for the first quarter of 1989. Japan, Canada and West Germany together accounted for two-thirds of the U.S. total with shares of 26%, 21%, and 20%, respectively. U.S. robot imports reached $48.2 million, with Japan capturing over three-quarters of the import total. Japan also accounted for over one-half of the $65.6 million of U.S. imports of injection molding machinery for thermoplastics; while West Germany was responsible for just over one-half of the $14.6 million in U.S. imports of extruders for thermoplastics. U.S. imports of numerical controllers for machine tools amounted to $11.7 million for the first quarter, with Japan accounting for all but about $1.0 million of this total.

MONTHLY FOCUS

U.S. exports of machine tools are more broadly based among countries than imports. For example, whereas 85% of U.S. imports of machine tools are concentrated among the top five countries, for exports, this figure is 54%. The fastest growing export markets are not necessarily among the top markets by volume. Shown below are the export markets showing the largest percentage increases during the first quarter of 1989, that are not in the top five, and represent over $1 million in U.S. sales.

FAST-GROWING POTENTIAL EXPORT MARKETS



U.S. EXPORTS
Metal Cutting Machine Tools - January 89

RELEASED: July 19, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	168	663	168	663
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	2	260	2	260
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	1	205	1	205
100035	Horiz. mach. ctrs., ATC	3	1685	3	1685
100045	Mach. ctrs., n.e.c.	15	937	15	937
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	0	0	0	0
300010	Multi-station transfer machines, NC	0	0	0	0
300090	Multi-station transfer machines, non-NC	2	710	2	710
8458110010	Horiz. lathes, multiple spindle, NC	0	0	0	0
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	9	818	9	818
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	7	1201	7	1201
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	0	0	0	0
190030	Horiz. engine or toolroom lathes, non-NC	0	0	0	0
190050	Automatic bar and/or chucking mach., single spindle, non-NC	0	0	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	2	68	2	68
190090	Horiz. lathes, n.e.c., non-NC	10	176	10	176
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	1	59	1	59
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	1	307	1	307
991050	Vertical turret lathes, non-NC	0	0	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	4	222	4	222
8459100000	Way-type unit head machines	2	789	2	789
210080	Other drilling machines, NC	4	247	4	247
290040	Drilling machines, multiple spindle, non-NC	1	35	1	35
290050	Drilling machines, radial, non-NC	8	349	8	349
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	1	4	1	4
290090	Drilling machines, n.e.c., non-NC	4	262	4	262
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling mach., n.e.c., NC	2	154	2	154
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	70	371	70	371
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	1	27	1	27
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	1	87	1	87
510080	Milling machines, knee type, NC	0	0	0	0
590030	Milling machines, knee type, non-NC	4	138	4	138
610080	Milling machines, excl. knee type, n.e.c., NC	5	1426	5	1426
690050	Milling machines, profile, dup., or die sinking, non-NC	1	56	1	56
690070	Milling machines, bed type, non-NC	9	1389	9	1389
690090	Milling machines, n.e.c., non-NC	47	1894	47	1894
700020	Threading or tapping machines, n.e.c., NC	0	0	0	0
700080	Threading or tapping machines, n.e.c., non-NC	13	2424	13	2424
8460110080	Flat surface grinding mach., NC	27	2362	27	2362
190010	Flat surface grinding mach., recip.-table type, non-NC	9	241	9	241
190050	Flat surface grinding mach., n.e.c., non-NC	10	743	10	743
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	5	176	5	176
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	2	315	2	315
290030	Grinding mach., internal cylindrical, non-NC	7	362	7	362
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	60	1089	60	1089
310080	Sharpening machines (tool & cutter grinding), NC	1	28	1	28
390050	Sharpening machines (tool & cutter grinding), non-NC	26	518	26	518
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	50	477	50	477
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	10	1048	10	1048
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	23	474	23	474
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	22	468	22	468
200010	Shaping or slotting machines, NC	0	0	0	0
200090	Shaping or slotting machines, non-NC	1	5	1	5
300060	Broaching machines, NC	0	0	0	0
300080	Broaching machines, non-NC	0	0	0	0
401050	Gear hobbers	16	2045	16	2045
401070	Gear shapers	7	254	7	254
401090	Gear cutting machines, n.e.c.	12	2518	12	2518
405060	Gear grinding or finishing machines	1	632	1	632
500050	Sawing or cutting-off machines, NC	1	121	1	121
500090	Sawing or cutting-off machines, non-NC	36	747	36	747
9000000001	Metal cutting machine tools, n.e.c.	16	157	16	157
9800000001	Used or rebuilt machine tools	1070	4197	1070	4197
9900000001	Machine tools valued at less than $2,500	1986	1165	1986	1165
	Cutting Total			3796	37104
	Y-T-D Cutting Total	3796	37104		
	NC Y-T-D Cutting Total*	94	11033		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS

Metal Cutting Machine Tools - January 89

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	1	4	2	5
8457100015	0	0	0	0	0	0	0	0	1	97
100025	0	0	0	0	0	0	0	0	1	205
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	7	434	0	0	1	272
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	1	74	0	0	0	0
110050	1	119	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	1	38
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	1	133	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	2	220
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	1	29	0	0
610080	0	0	0	0	0	0	1	231	2	116
690050	0	0	0	0	0	0	0	0	0	0
690070	3	500	0	0	0	0	0	0	5	249
690090	0	0	0	0	0	0	4	340	2	13
700020	0	0	0	0	0	0	0	0	0	0
700080	1	59	0	0	0	0	0	0	2	6
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	11
190050	0	0	0	0	0	0	5	336	1	208
210080	0	0	0	0	0	0	0	0	4	91
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	15	163
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	1	50	5	63
400060	0	0	0	0	0	0	0	0	0	0
400080	3	29	0	0	0	0	0	0	9	42
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	8	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	3	111	0	0	0	0	0	0	7	97
9000000001	0	0	0	0	0	0	0	0	2	8
9800000001	2	12	0	0	0	0	1	45	49	309
9900000001	18	12	0	0	13	8	12	13	784	250
Month Tot	31	843	1	8	22	649	26	1047	896	2462
Y-T-D Tot	31	843	1	8	22	649	26	1047	896	2462
NC YTD Tot*	1	119	0	0	8	507	1	231	9	780

Please see notes on last page of the metal forming section.

U.S. EXPORTS
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	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	73	0	0	0	0	6	7
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	1	250	0	0	0	0	0	0	1	695
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	61	0	0	0	0	0	0
110050	3	650	1	160	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	2	76	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	30
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	2	42	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	66	350	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	1	271	0	0	0	0
290030	0	0	0	0	6	241	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	7	43	0	0	1	284
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	10	0	0	0	0	0	0
900060	9	556	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	0	0	2	13
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	5	496	0	0	1	477
405060	0	0	0	0	0	0	0	0	1	632
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	238	3	36	0	0	0	0
9000000001	0	0	0	0	0	0	0	0	2	18
9800000001	4	71	5	126	3	279	0	0	1	2
9900000001	16	10	7	8	12	10	0	0	31	10
Month Tot	35	1613	18	676	39	1418	66	350	47	2168
Y-T-D Tot	35	1613	18	676	39	1418	66	350	47	2168
NC YTD Tot*	13	1456	2	221	0	0	0	0	2	725

Please see notes on last page of the metal forming section.

U.S. EXPORTS
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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	139	510	0	0	0	0	13	54	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	1	740	0	0	0	0	0	0
100045	0	0	0	0	0	0	6	192	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	2	710	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	186	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	1	5	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	1	59	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	1	307	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	1	13	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	40	0	0
290040	0	0	0	0	0	0	1	35	0	0
290050	0	0	7	340	0	0	1	10	0	0
290070	0	0	0	0	0	0	1	4	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	2	154	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	4	21	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	1	27	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	2	1079	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	36	13	408	0	0	20	180	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	1	6	3	18	0	0	4	54	0	0
8460110080	1	25	1	145	0	0	0	0	16	1866
190010	0	0	6	75	0	0	0	0	0	0
190050	0	0	0	0	0	0	3	45	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	1	121	0	0
290050	19	550	0	0	0	0	9	68	0	0
310080	0	0	0	0	0	0	1	28	0	0
390050	2	7	0	0	2	16	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	3	46	1	14	1	18	4	45
900060	0	0	0	0	0	0	0	0	0	0
900080	1	70	1	240	0	0	9	86	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	20	443	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	7	1823	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	2	1238	0	0	0	0	1	91	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	2	33	2	18	0	0	6	64	0	0
9000000001	0	0	0	0	0	0	8	85	1	11
9800000001	8	345	11	283	0	0	731	1227	0	0
9900000001	7	6	11	7	3	5	471	298	28	17
Month Tot	186	3320	70	5006	6	35	1318	4344	49	1940
Y-T-D Tot	186	3320	70	5006	6	35	1318	4344	49	1940
NC YTD Tot*	4	518	4	1038	0	0	11	1398	17	1877

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 89

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	2	4	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	2	789	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	87	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	1	640	0	0	0	0	0	0	0	0
690090	0	0	1	131	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	155
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	1	44	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	16	187	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	4	31	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	8	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	54	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	6	0	0	2	28	0	0
9000000001	0	0	0	0	1	17	0	0	0	0
9800000001	56	191	0	0	2	12	0	0	0	0
9900000001	17	26	141	166	7	4	4	2	0	0
Month Tot	74	857	143	302	13	45	31	1222	1	155
Y-T-D Tot	74	857	143	302	13	45	31	1222	1	155
NC YTD Tot*	0	0	0	0	1	17	0	0	0	0

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 89

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	1	2	3	5
8457100015	1	163	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	1	40	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	4	351	0	0	0	0	1	146	0	0
110050	2	271	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	2	68	0	0
190090	4	114	0	0	0	0	0	0	4	19
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	125	1	52	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	3	109
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	1	56	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	6	786
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	2282	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	9	326
190010	0	0	0	0	0	0	0	0	2	155
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	85
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	121
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	4	24	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	4	48	0	0	0	0	14	136	10	90
900060	0	0	0	0	0	0	0	0	1	492
900080	0	0	0	0	4	13	0	0	4	35
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	2	25
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	5
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	9	222	0	0	0	0
401070	7	254	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	2	161
405060	0	0	0	0	0	0	0	0	0	0
500050	1	121	0	0	0	0	0	0	0	0
500090	0	0	1	3	2	65	2	35	3	14
9000000001	2	18	0	0	0	0	0	0	0	0
9800000001	9	10	0	0	107	850	15	125	66	309
9900000001	144	116	0	0	4	3	158	96	98	98
Month Tot	**179**	**1506**	**1**	**3**	**129**	**3559**	**199**	**740**	**216**	**2836**
Y-T-D Tot	**179**	**1506**	**1**	**3**	**129**	**3559**	**199**	**740**	**216**	**2836**
NC YTD Tot*	**9**	**946**	**0**	**0**	**1**	**125**	**2**	**198**	**11**	**903**

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools. Machine Tool Totals and Other Manufacturing Technology
January 89

RELEASED: July 19, 1989

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	29	662	29	662
8462100030	Headers and upsetters, including cold headers	2	297	2	297
100050	Forging or die stamping machines, and hammers, n.e.c.	44	2952	44	2952
210080	Bending, folding, straight. or flat. mach., incl presses, NC	13	1218	13	1218
290030	Press brakes, non-NC	1	76	1	76
290040	Bending rolls, non-NC	11	427	11	427
290050	Bending, folding, straight., or flat., n.e.c., non-NC	59	1712	59	1712
310080	Shearing machines, NC	3	291	3	291
390050	Shearing machines, non-NC	7	69	7	69
410080	Punching or notching mach., incl. comb. punch & shear, NC	5	1667	5	1667
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	48	930	48	930
910060	Hydraulic presses, NC	1	37	1	37
910090	Hydraulic presses, non-NC	23	1018	23	1018
990030	Presses, n.e.c., NC	3	1332	3	1332
990040	Presses, mechanical, non-NC	56	1633	56	1633
990060	Presses, n.e.c., non-NC	50	1570	50	1570
8463100080	Draw benches for bars, tubes, profiles, wire or the like	61	1164	61	1164
200080	Thread rolling machines	2	1447	2	1447
300080	Machines for working wire	146	4062	146	4062
900080	Metal forming machine tools, n.e.c.	84	5206	84	5206
9800000002	Used or rebuilt machine tools	484	3973	484	3973
9900000002	Machine tools valued at less than $2,500	461	317	461	317
	Forming Total			1593	32060
	Y-T-D Forming Total	1593	32060		
	NC Y-T-D Forming Total	25	4545		
	Cutting and Forming Totals:				
	Monthly Total			5389	69165
	Y-T-D Total	5389	69165		
	NC Y-T-D Total*	119	15578		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	46655	0	46655
2710003070	Quenching or cutting oils	0	1384	0	1384
8428900010	Industrial robots for lifting, handling, loading or unload	141	1568	141	1568
8456100000	Laser, light or photon beam for working any material	330	3867	330	3867
200000	Ultrasonic process for working any material	35	29	35	29
8477106010	Injection molding mach., for rubber or oth. thermosetting	13	1150	13	1150
106050	Injection molding mach., for thermoplastics	35	2950	35	2950
200010	Extruders for rubber or other thermosetting materials	28	831	28	831
200050	Extruders for processing thermoplastics	89	2765	89	2765
300000	Blow molding machines	21	2077	21	2077
400000	Vacuum-molding and other thermoforming machines	102	1018	102	1018
8479899040	Industrial robots, n.e.c.	70	1069	70	1069
900040	Industrial robot parts	0	438	0	438
8537100030	Numerical controls for controlling machine tools	4282	2706	4282	2706
9024100000	Machines and appliances for testing metals	0	6044	0	6044
9031100000	Machines for balancing mechanical parts	0	5251	0	5251
300000	Profile projectors	0	210	0	210
9032810040	Industrial process control instr., hydraulic or pneumatic	27556	2024	27556	2024

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
*"NC Y-T-D Total" does not include codes 8456300000 and 9000000001.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	1	34	3	85
8462100030	0	0	0	0	0	0	0	0	1	7
100050	0	0	0	0	0	0	0	0	6	85
210080	1	75	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	2	27
290050	0	0	0	0	0	0	0	0	7	124
310080	0	0	0	0	0	0	0	0	2	227
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	4	1248
490050	0	0	0	0	0	0	9	111	8	61
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	1	180
990030	0	0	0	0	0	0	0	0	1	8
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	1	6	0	0	2	131
8463100080	0	0	0	0	0	0	3	33	1	6
200080	0	0	0	0	0	0	0	0	0	0
300080	1	14	0	0	0	0	1	7	0	0
900080	4	95	0	0	0	0	0	0	6	171
9800000002	0	0	0	0	1	39	0	0	16	159
9900000002	5	4	0	0	0	0	0	0	4	3
Month Tot	11	187	0	0	2	45	14	184	64	2524
Y-T-D Tot	11	187	0	0	2	45	14	184	64	2524
NC YTD Tot	1	75	0	0	0	0	0	0	7	1483
C&F Month	42	1030	1	8	24	694	40	1231	960	4986
C&F Y-T-D	42	1030	1	8	24	694	40	1231	960	4986
C&F NC YTD	2	194	0	0	8	507	1	231	16	2263

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
1000000000	0	1207	0	121	0	439	0	575	0	6429
2710003070	0	2	0	0	0	0	0	4	0	141
8428900010	10	3	0	0	0	0	0	0	47	166
8456100000	0	0	0	0	1	3	0	0	92	273
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	2	150
106050	0	0	0	0	1	41	0	0	1	53
200010	0	0	0	0	0	0	0	0	0	0
200050	1	30	0	0	0	0	0	0	3	97
300000	0	0	0	0	0	0	0	0	0	0
400000	2	14	0	0	0	0	2	11	12	58
8479899040	0	0	0	0	3	52	0	0	10	43
900040	0	0	0	0	0	0	0	0	0	13
8537100030	41	16	17	39	1	5	0	0	117	123
9024100000	0	15	0	0	0	0	0	56	0	197
9031100000	0	0	0	3	0	0	0	0	0	642
300000	0	0	0	0	0	0	0	0	0	8
9032810040	373	51	129	9	356	32	89	10	2012	138

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89

Metal Forming

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	257	1	11	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	1	185
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	23	0	0	6	51
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	1	4	1	425	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	1	1088
990040	0	0	20	497	0	0	0	0	0	0
990060	0	0	25	251	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	15	382	17	315	0	0	0	0	2	15
900080	0	0	0	0	0	0	0	0	6	109
9800000002	0	0	2	3	3	165	0	0	0	0
9900000002	0	0	0	0	2	2	0	0	11	9
Month Tot	16	639	66	1080	7	615	0	0	27	1476
Y-T-D Tot	16	639	66	1080	7	615	0	0	27	1476
NC YTD Tot	0	0	0	0	0	0	0	0	1	1088
C&F Month	51	2253	84	1756	46	2033	66	350	74	3645
C&F Y-T-D	51	2253	84	1756	46	2033	66	350	74	3645
C&F NC YTD	13	1456	2	221	0	0	0	0	3	1813

Other Manufacturing Technology

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	261	0	733	0	395	0	62	0	1264
2710003070	0	0	0	4	0	28	0	20	0	4
8428900010	5	52	34	10	0	0	0	0	0	4
8456100000	0	0	26	796	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	110	0	0	0	0	1	240
106050	0	0	0	0	0	0	0	0	0	0
200010	0	0	4	106	2	16	0	0	0	0
200050	3	69	17	420	0	0	0	0	0	0
300000	0	0	0	0	3	50	0	0	1	22
400000	1	100	0	0	3	85	0	0	0	0
8479899040	0	0	2	10	0	0	0	0	2	8
900040	0	0	0	4	0	0	0	0	0	2
8537100030	116	49	469	315	12	28	0	0	253	131
9024100000	0	67	0	74	0	56	0	2	0	122
9031100000	0	0	0	0	0	0	0	0	0	2
300000	0	0	0	3	0	0	0	0	0	5
9032810040	0	0	1798	109	35	2	0	0	705	126

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89

Metal Forming

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	50	3	28	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	10	2038	0	0	0	0	6	75	1	31
210080	2	68	0	0	0	0	3	255	0	0
290030	0	0	0	0	0	0	1	76	0	0
290040	0	0	0	0	0	0	9	400	0	0
290050	0	0	0	0	0	0	5	370	0	0
310080	0	0	0	0	0	0	1	64	0	0
390050	0	0	0	0	0	0	6	55	1	14
410080	0	0	0	0	0	0	0	0	0	0
490050	6	43	1	31	0	0	4	53	0	0
910060	0	0	0	0	0	0	1	37	0	0
910090	1	146	0	0	0	0	18	508	1	10
990030	0	0	0	0	0	0	0	0	0	0
990040	16	394	0	0	0	0	3	238	0	0
990060	1	45	0	0	0	0	17	567	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	2	1447	0	0
300080	1	14	2	38	0	0	12	167	0	0
900080	23	2754	21	698	2	11	9	78	1	32
9800000002	0	0	17	342	1	121	47	1385	1	150
9900000002	19	21	0	0	0	0	70	71	0	0
Month Tot	80	5572	44	1138	3	132	214	5844	5	238
Y-T-D Tot	80	5572	44	1138	3	132	214	5844	5	238
NC YTD Tot	2	68	0	0	0	0	5	356	0	0
C&F Month	266	8892	114	6144	9	167	1532	10188	54	2177
C&F Y-T-D	266	8892	114	6144	9	167	1532	10188	54	2177
C&F NC YTD	6	586	4	1038	0	0	16	1754	17	1877
Other Manufacturing Technology										
1000000000	0	7511	0	3641	0	212	0	5063	0	669
2710003070	0	105	0	28	0	0	0	60	0	11
8428900010	1	13	1	6	0	0	5	1230	0	0
8456100000	15	986	0	0	0	0	59	125	0	0
200000	33	4	0	0	0	0	0	0	0	0
8477106010	0	0	5	390	0	0	2	169	0	0
106050	4	382	5	459	0	0	12	1359	0	0
200010	1	17	0	0	0	0	14	583	0	0
200050	0	0	0	0	0	0	2	62	0	0
300000	1	5	2	1340	0	0	8	141	0	0
400000	0	0	5	166	0	0	24	201	8	2
8479899040	16	700	0	0	0	0	0	0	1	4
900040	0	46	0	9	0	11	0	2	0	13
8537100030	83	37	648	259	19	7	160	58	2	4
9024100000	0	1879	0	536	0	0	0	130	0	80
9031100000	0	31	0	3115	0	0	0	941	0	49
300000	0	5	0	44	0	0	0	0	0	0
9032810040	2127	136	29	42	0	0	777	57	1509	96

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	7	132	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	16	689	3	96	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	0	0	7	19	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	1	10	0	0	0	0	0	0
990030	1	236	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	0	0
8463100080	28	382	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	6	0	0	0	0	3	27	0	0
900080	2	763	0	0	0	0	1	21	0	0
9800000002	2	3	2	13	0	0	8	172	0	0
9900000002	4	4	0	0	0	0	0	0	0	0
Month Tot	61	2215	6	119	0	0	19	239	0	0
Y-T-D Tot	61	2215	6	119	0	0	19	239	0	0
NC YTD Tot	1	236	0	0	0	0	0	0	0	0
C&F Month	135	3072	149	421	13	45	50	1461	1	155
C&F Y-T-D	135	3072	149	421	13	45	50	1461	1	155
C&F NC YTD	1	236	0	0	1	17	0	0	0	0
Other Manufacturing Technology										
1000000000	0	572	0	280	0	532	0	973	0	43
2710003070	0	24	0	193	0	2	0	163	0	0
8428900010	3	27	0	0	12	3	0	0	0	0
8456100000	1	6	1	12	0	0	4	4	0	0
200000	0	0	0	0	1	17	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	1	85	1	137	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	47	959	0	0
300000	0	0	0	0	1	12	0	0	0	0
400000	4	31	0	0	1	2	0	0	0	0
8479899040	0	0	2	13	0	0	0	0	0	0
900040	0	0	0	0	0	0	0	0	0	0
8537100030	67	27	1	3	363	171	52	36	0	0
9024100000	0	179	0	218	0	21	0	853	0	0
9031100000	0	160	0	6	0	12	0	131	0	0
300000	0	10	0	0	0	0	0	0	0	0
9032810040	423	40	1931	96	77	82	142	24	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89

Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	36	0	0	0	0	1	11	14	148
8462100030	0	0	0	0	0	0	0	0	1	290
100050	4	50	0	0	0	0	0	0	9	356
210080	0	0	0	0	1	19	1	71	5	730
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	48	0	0	7	113	1	17	11	182
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	1	419	0	0	0	0	0	0	0	0
490050	0	0	0	0	2	118	5	34	4	31
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	1	164
990030	0	0	0	0	0	0	0	0	0	0
990040	15	485	0	0	0	0	0	0	2	19
990060	1	198	0	0	1	18	2	356	0	0
8463100080	0	0	0	0	0	0	19	481	10	262
200080	0	0	0	0	0	0	0	0	0	0
300080	70	2630	0	0	0	0	6	76	15	352
900080	4	350	0	0	0	0	1	6	4	117
9800000002	2	26	0	0	8	602	8	15	366	779
9900000002	34	13	0	0	1	2	0	0	311	188
Month Tot	137	4254	0	0	20	873	44	1067	753	3618
Y-T-D Tot	137	4254	0	0	20	873	44	1067	753	3618
NC YTD Tot	1	419	0	0	1	19	1	71	5	730
C&F Month	316	5760	1	3	149	4432	243	1807	969	6455
C&F Y-T-D	316	5760	1	3	149	4432	243	1807	969	6455
C&F NC YTD	10	1365	0	0	2	144	3	269	16	1633

Other Manufacturing Technology

1000000000	0	5549	0	39	0	2003	0	2223	0	188
2710003070	0	8	0	0	0	371	0	0	0	216
8428900010	1	4	0	0	0	0	17	4	5	48
8456100000	20	203	0	0	0	0	24	565	87	894
200000	1	8	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	2	91
106050	0	0	0	0	1	33	1	112	8	289
200010	0	0	0	0	5	59	2	51	0	0
200050	1	54	0	0	8	740	2	151	5	183
300000	0	0	1	445	0	0	1	15	3	46
400000	36	310	0	0	0	0	0	0	4	37
8479899040	19	157	0	0	0	0	1	3	14	80
900040	0	259	0	0	0	0	0	59	0	20
8537100030	1114	655	0	0	130	52	466	403	151	286
9024100000	0	205	0	34	0	74	0	321	0	925
9031100000	0	4	0	0	0	0	0	4	0	152
300000	0	127	0	0	0	0	0	10	0	0
9032810040	3024	204	0	0	91	8	7972	432	3957	331

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	1	18	0	0	1	18
Czechoslovakia	0	0	0	0	0	0
Denmark	1	6	18	97	19	104
East Germany	0	0	0	0	0	0
Finland	1	2	1	29	2	31
Greece	8	294	0	0	8	294
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	3	14	3	89	6	103
Luxembourg	0	0	0	0	0	0
Norway	0	0	0	0	0	0
Poland	0	0	0	0	0	0
Portugal	4	4	8	178	12	182
Romania	0	0	0	0	0	0
Sweden	21	41	8	90	29	132
Turkey	1	651	1	4	2	655
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	0	0	0	0
TOTAL	712	9068	326	8766	1038	17834
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	0	0	0	0
Belize	0	0	0	0	0	0
Bermuda	5	135	0	0	5	135
Costa Rica	14	16	1	8	15	24
Dominican Rep	1	16	0	0	1	16
El Salvador	2	8	0	0	2	8
Guatemala	0	0	0	0	0	0
Haiti	0	0	0	0	0	0
Honduras	0	0	1	14	1	14
Jamaica	1	2	0	0	1	2
Panama	0	0	1	3	1	3
Trinidad	0	0	1	5	1	5
Oth N & C Am.	1	9	26	122	27	131
TOTAL	2238	6992	308	8521	2546	15512
SOUTH AMERICA						
Argentina	20	262	180	167	200	429
Bolivia	0	0	0	0	0	0
Chile	23	7	8	315	31	322
Colombia	2	25	448	825	450	850
Ecuador	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	1	11	0	0	1	11
Oth South Am.	1	96	3	3	4	99
TOTAL	202	5007	673	2367	875	7374
OCEANIA						
New Zealand	3	36	2	27	5	63
Oth Oceania	1	27	0	0	1	27
TOTAL	35	906	13	215	48	1121

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	56	758	3	231	59	989
Iran	0	0	5	730	5	730
Iraq	2	88	13	139	15	227
Israel	7	97	4	32	11	129
Jordan	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	2	91	0	0	2	91
Philippines	9	6	2	35	11	40
Qatar	0	0	0	0	0	0
Saudi Arabia	10	27	3	184	13	211
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	0	0	0	0	0	0
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	10	262	10	262
TOTAL	594	15043	270	12162	864	27206
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	0	0	0	0	0	0
Ethiopia	8	43	0	0	8	43
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	1	16	1	16
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	1	2	1	2
South Africa	7	46	1	12	8	58
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	15	89	3	30	18	119

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include codes 8456300000 and 9000000001.

U.S. IMPORTS
Metal Cutting Machine Tools - January 89

RELEASED: July 19, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC	51	4086	51	4086
301030	Traveling wire electro-discharge machines, non-NC	23	1788	23	1788
301050	Electro-discharge machines, n.e.c., NC	11	212	11	212
301070	Electro-discharge machines, n.e.c., non-NC	19	977	19	977
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	205	18504	205	18504
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	13	1013	13	1013
100035	Horiz. mach. ctrs., ATC	60	11050	60	11050
100045	Mach. ctrs., n.e.c.	37	4362	37	4362
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	2	44	2	44
300010	Multi-station transfer machines, NC	3	1233	3	1233
300090	Multi-station transfer machines, non-NC	6	525	6	525
8458110010	Horiz. lathes, multiple spindle, NC	26	3562	26	3562
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	244	19229	244	19229
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	72	9116	72	9116
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	24	1780	24	1780
190030	Horiz. engine or toolroom lathes, non-NC	321	2486	321	2486
190050	Automatic bar and/or chucking mach., single spindle, non-NC	17	476	17	476
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	9	415	9	415
190090	Horiz. lathes, n.e.c., non-NC	135	1959	135	1959
911060	Vertical turret lathes, multiple spindle, NC	3	516	3	516
911080	Vertical turret lathes, n.e.c., NC	1	58	1	58
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	1	2	1	2
915070	Vertical lathes, excl. VTL's, n.e.c., NC	8	623	8	623
991050	Vertical turret lathes, non-NC	2	375	2	375
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	76	2112	76	2112
8459100000	Way-type unit head machines	0	0	0	0
210080	Other drilling machines, NC	47	2671	47	2671
290040	Drilling machines, multiple spindle, non-NC	5	33	5	33
290050	Drilling machines, radial, non-NC	44	236	44	236
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	14	81	14	81
290090	Drilling machines, n.e.c., non-NC	51	7139	51	7139
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	31	3378	31	3378
310070	Boring-milling mach., n.e.c., NC	5	208	5	208
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	49	1	49
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	23	2106	23	2106
400040	Boring machines, vertical, NC	5	979	5	979
400050	Boring machines, vertical, non-NC	1	17	1	17
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	23	908	23	908
510080	Milling machines, knee type, NC	78	1239	78	1239
590030	Milling machines, knee type, non-NC	266	4933	266	4933
610080	Milling machines, excl. knee type, n.e.c., NC	22	2368	22	2368
690050	Milling machines, profile, dup., or die sinking, non-NC	0	0	0	0
690070	Milling machines, bed type, non-NC	2	40	2	40
690090	Milling machines, n.e.c., non-NC	42	1141	42	1141
700020	Threading or tapping machines, n.e.c., NC	6	781	6	781
700080	Threading or tapping machines, n.e.c., non-NC	32	1160	32	1160
8460110080	Flat surface grinding mach., NC	22	1764	22	1764
190010	Flat surface grinding mach., recip.-table type, non-NC	43	828	43	828
190050	Flat surface grinding mach., n.e.c., non-NC	173	1188	173	1188
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	10	843	10	843
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	49	829	49	829
290030	Grinding mach., internal cylindrical, non-NC	6	1016	6	1016
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	94	2889	94	2889
310080	Sharpening machines (tool & cutter grinding), NC	20	279	20	279
390050	Sharpening machines (tool & cutter grinding), non-NC	44	779	44	779
400060	Honing or lapping machines, NC	7	415	7	415
400080	Honing or lapping machines, non-NC	8	77	8	77
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	3	119	3	119
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	81	2534	81	2534
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	0	0	0	0
200010	Shaping or slotting machines, NC	0	0	0	0
200090	Shaping or slotting machines, non-NC	0	0	0	0
300060	Broaching machines, NC	0	0	0	0
300080	Broaching machines, non-NC	1	13	1	13
401050	Gear hobbers	5	2023	5	2023
401070	Gear shapers	1	286	1	286
401090	Gear cutting machines, n.e.c.	4	10	4	10
405060	Gear grinding or finishing machines	36	2039	36	2039
500050	Sawing or cutting-off machines, NC	11	128	11	128
500090	Sawing or cutting-off machines, non-NC	117	1728	117	1728
9000000001	Metal cutting machine tools, n.e.c.	40	1596	40	1596
9800000001	Used or rebuilt machine tools	422	2444	422	2444
9900000001	Machine tools valued at less than $2,500	38444	6361	38444	6361
	Cutting Total			41708	146160
	Y-T-D Cutting Total	41708	146160		
	NC Y-T-D Cutting Total*	1026	90519		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	0	0	0	0	0	0	0	0	0	0
301030	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	2	1025
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	1	109	0	0	1	239
110030	0	0	0	0	0	0	1	126	0	0
110050	0	0	3	9	0	0	2	221	0	0
110090	0	0	0	0	0	0	1	72	0	0
190030	0	0	23	190	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	80	483	0	0	0	0	1	21
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	12	37	1	6	0	0	15	280
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	3	900
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	4	31	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	1	17	11	4341	2	18
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	1	38	0	0	1	373
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	17
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	8	0	0	8	96
510080	4	124	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	3	322
610080	0	0	0	0	0	0	10	28	3	38
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	2	7	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	15	44	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	5	29
190050	0	0	3	79	15	139	0	0	1	2
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	25	443	1	24	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	6	10	29	0	0	3	62
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	2	8	0	0	0	0
900080	0	0	0	0	5	111	6	57	17	426
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	4	10
405060	0	0	0	0	0	0	0	0	1	5
500050	0	0	0	0	0	0	0	0	0	0
500090	21	158	0	0	21	229	0	0	3	25
9000000001	0	0	0	0	5	136	0	0	1	1
9800000001	5	668	0	0	26	277	0	0	1	3
9900000001	12	12	6	12	88	125	272	95	1507	427
Month Tot	**42**	**962**	**132**	**848**	**204**	**1681**	**319**	**5007**	**1583**	**4318**
Y-T-D Tot	**42**	**962**	**132**	**848**	**204**	**1681**	**319**	**5007**	**1583**	**4318**
NC YTD Tot*	**4**	**124**	**3**	**9**	**4**	**155**	**14**	**446**	**10**	**2575**

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	46	3516	0	0	0	0	0	0	0	0
301030	22	1776	0	0	0	0	0	0	0	0
301050	1	95	0	0	0	0	0	0	0	0
301070	1	198	0	0	0	0	0	0	0	0
8457100015	175	16000	0	0	8	446	0	0	0	0
100025	2	488	0	0	0	0	0	0	0	0
100035	40	8713	0	0	0	0	0	0	0	0
100045	8	1667	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	44
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	24	3214	0	0	0	0	0	0	0	0
110030	213	17876	1	38	3	31	0	0	0	0
110050	62	7896	0	0	0	0	1	543	0	0
110090	18	1197	0	0	0	0	0	0	0	0
190030	2	60	16	137	14	146	6	33	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	3	37	0	0	0	0	1	30	0	0
911060	3	516	0	0	0	0	0	0	0	0
911080	1	58	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	1	101	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	128	16	846	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	41	1402	0	0	0	0	0	0	0	0
290040	5	33	0	0	0	0	0	0	0	0
290050	2	46	0	0	0	0	0	0	14	42
290070	0	0	0	0	0	0	12	50	0	0
290090	7	664	0	0	0	0	10	50	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	1	77	0	0	0	0	0	0	0	0
390040	1	49	0	0	0	0	0	0	0	0
390050	1	1907	0	0	0	0	0	0	0	0
400040	1	312	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	32	201	0	0
590030	6	53	0	0	0	0	22	211	0	0
610080	2	296	0	0	0	0	0	0	1	23
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	6	216	0	0	0	0	2	70	1	38
700020	5	746	1	35	0	0	0	0	0	0
700080	2	355	0	0	0	0	0	0	0	0
8460110080	20	926	0	0	0	0	0	0	0	0
190010	6	296	0	0	27	390	0	0	0	0
190050	19	55	1	5	4	86	0	0	0	0
210080	4	406	0	0	0	0	0	0	0	0
290010	38	357	0	0	0	0	0	0	3	157
290030	0	0	0	0	0	0	0	0	0	0
290050	9	1492	0	0	0	0	0	0	5	16
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	2	284	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	1	110	0	0
900080	6	108	12	50	0	0	3	249	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	32	274	0	0	0	0	0	0	0	0
500050	2	71	0	0	0	0	0	0	0	0
500090	19	808	0	0	0	0	0	0	0	0
9000000001	4	72	0	0	0	0	0	0	0	0
9800000001	311	621	0	0	0	0	0	0	1	4
9900000001	905	309	0	0	0	0	65	9	104	152
Month Tot	**2080**	**75769**	**47**	**1111**	**56**	**1099**	**155**	**1556**	**131**	**475**
Y-T-D Tot	**2080**	**75769**	**47**	**1111**	**56**	**1099**	**155**	**1556**	**131**	**475**
NC YTD Tot*	**672**	**65857**	**2**	**73**	**11**	**477**	**34**	**854**	**1**	**23**

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	5	570	0	0	0	0	0	0	0	0
301030	0	0	1	13	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	10	117
301070	6	617	9	136	0	0	0	0	3	25
8457100015	0	0	9	436	7	789	4	816	2	18
100025	0	0	1	114	6	394	0	0	4	17
100035	0	0	0	0	0	0	20	2337	0	0
100045	1	23	4	303	18	953	5	439	1	975
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	208	0	0	0	0	0	0	0	0
300090	4	396	0	0	2	129	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	14	654	4	221	0	0	8	283
110050	0	0	0	0	0	0	2	376	2	71
110090	2	242	0	0	1	37	1	150	1	83
190030	0	0	103	849	21	239	0	0	136	832
190050	1	392	15	72	0	0	1	11	0	0
190070	1	68	0	0	6	78	2	269	0	0
190090	0	0	6	41	40	453	3	880	1	14
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	1	2	0	0
915070	0	0	5	278	0	0	2	245	0	0
991050	2	375	0	0	0	0	0	0	0	0
995090	0	0	11	102	8	404	2	35	10	275
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	3	369	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	7	21	0	0	6	48	11	47
290070	0	0	0	0	0	0	1	28	1	3
290090	0	0	2	8	1	5	17	2037	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	23	2886	6	82
310070	0	0	0	0	0	0	1	88	3	43
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	20	72	0	0	2	128	0	0
400040	0	0	0	0	3	631	0	0	1	36
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	414	0	0	9	104	2	238	2	48
510080	0	0	23	332	18	570	0	0	1	12
590030	0	0	147	851	81	379	5	3106	2	11
610080	1	1343	3	154	0	0	0	0	2	486
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	2	40	0	0	0	0	0	0
690090	0	0	8	32	1	125	6	312	16	341
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	3	9	2	366	9	340	1	45
8460110080	0	0	0	0	1	686	1	153	0	0
190010	0	0	4	60	1	54	0	0	0	0
190050	0	0	110	647	3	39	2	52	15	86
210080	3	193	0	0	1	28	2	215	0	0
290010	2	112	0	0	4	28	2	175	0	0
290030	0	0	1	14	0	0	5	1003	0	0
290050	5	349	4	27	12	151	26	306	7	82
310080	0	0	10	111	0	8	10	160	0	0
390050	2	63	1	18	9	48	10	525	8	27
400060	4	91	0	0	0	0	1	40	0	0
400080	0	0	0	0	0	0	5	57	3	20
900060	0	0	0	0	0	0	0	0	0	0
900080	2	29	2	28	8	81	13	1134	7	263
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	13	0	0
401050	0	0	0	0	0	0	5	2023	0	0
401070	0	0	0	0	0	0	1	286	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	1	733	0	0	0	0	2	1028	0	0
500050	0	0	0	0	0	0	9	57	0	0
500090	0	0	32	142	0	0	8	275	13	90
9000000001	2	81	0	0	0	0	21	1274	7	32
9800000001	2	30	32	359	27	203	16	270	1	10
9900000001	60	10	29387	4247	238	154	327	166	5473	644
Month Tot	108	6340	29976	10170	532	7358	585	24352	5758	5116
Y-T-D Tot	108	6340	29976	10170	532	7358	585	24352	5758	5116
NC YTD Tot*	17	2669	69	2382	59	4319	91	9322	41	2222

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89

RELEASED: July 19, 1989

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	31	4234	31	4234
8462100030	Headers and upsetters, including cold headers	18	737	18	737
100050	Forging or die stamping machines, and hammers, n.e.c.	218	12905	218	12905
210080	Bending, folding, straight. or flat. mach., incl presses, NC	46	2720	46	2720
290030	Press brakes, non-NC	46	1646	46	1646
290040	Bending rolls, non-NC	10	179	10	179
290050	Bending, folding, straight., or flat., n.e.c., non-NC	81	3821	81	3821
310080	Shearing machines, NC	7	665	7	665
390050	Shearing machines, non-NC	68	1452	68	1452
410080	Punching or notching mach., incl. comb. punch & shear, NC	29	3122	29	3122
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	57	1815	57	1815
910060	Hydraulic presses, NC	4	66	4	66
910090	Hydraulic presses, non-NC	45	2979	45	2979
990030	Presses, n.e.c., NC	1	130	1	130
990040	Presses, mechanical, non-NC	10	1382	10	1382
990060	Presses, n.e.c., non-NC	179	6831	179	6831
8463100080	Draw benches for bars, tubes, profiles, wire or the like	0	0	0	0
200080	Thread rolling machines	3	150	3	150
300080	Machines for working wire	25	1558	25	1558
900080	Metal forming machine tools, not elsewhere classified	70	2782	70	2782
9800000002	Used or rebuilt machine tools	58	758	58	758
9900000002	Machine tools valued at less than $2,500	1979	550	1979	550
	Forming Total			2985	50482
	Y-T-D Forming Total	2985	50482		
	NC Y-T-D Forming Total	87	6703		
	Cutting and Forming Totals:				
	Monthly Total			44693	196642
	Y-T-D Total	44693	196642		
	NC Y-T-D Total*	1113	97222		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	43408	0	43408
2710003070	Quenching or cutting oils	0	0	0	0
8428900010	Industrial robots for lifting, handling, loading or unload	117	1120	117	1120
8456101010	Laser, light or photon beam for working metal, NC	5	774	5	774
101020	Laser, light or photon beam for working metal, non-NC	2	496	2	496
105000	Laser, light or photon beam for other materials	34	575	34	575
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	1	6	1	6
205000	Ultrasonic processes for working other materials	100	1	100	1
8477106010	Injection molding mach., for rubber or oth. thermosetting	15	2370	15	2370
106050	Injection molding mach., for thermoplastics	209	17722	209	17722
200010	Extruders for rubber or other thermosetting materials	16	1794	16	1794
200050	Extruders for processing thermoplastics	63	2368	63	2368
300000	Blow molding machines	18	2901	18	2901
400000	Vacuum-molding and other thermoforming machines	17	956	17	956
8479899040	Industrial robots, n.e.c.	484	6619	484	6619
900040	Industrial robot parts	0	0	0	0
8537100030	Numerical controls for controlling machine tools	528	2545	528	2545
9024100000	Machines and appliances for testing metals	0	563	0	563
9031100000	Machines for balancing mechanical parts	0	1317	0	1317
300000	Profile projectors	0	418	0	418
9032810020	Industrial process control instr., hydraulic	14991	240	14991	240
810060	Industrial process control instr., pneumatic	924	109	924	109

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
* "NC Y-T-D Total" does not include code 9000000001.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	18	157	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	23	236	1	14	2	16
210080	0	0	0	0	0	0	4	56	1	228
290030	13	797	0	0	16	536	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	30
290050	0	0	0	0	24	499	0	0	8	93
310080	1	18	0	0	0	0	0	0	0	0
390050	16	280	0	0	9	229	1	3	3	11
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	9	372	2	59	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	10	74	0	0	1	50
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	2	67	0	0
990060	0	0	0	0	50	2362	0	0	9	42
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	7	692	0	0	1	90
900080	0	0	0	0	2	105	0	0	12	123
9800000002	0	0	0	0	19	148	0	0	1	25
9900000002	0	0	1	1	44	15	0	0	13	18
Month Tot	30	1094	1	1	231	5424	10	200	52	725
Y-T-D Tot	30	1094	1	1	231	5424	10	200	52	725
NC YTD Tot	1	18	0	0	0	0	4	56	1	228
C&F Month	72	2057	133	849	435	7105	329	5206	1635	5043
C&F Y-T-D	72	2057	133	849	435	7105	329	5206	1635	5043
C&F NC YTD	5	142	3	9	4	155	18	502	11	2803

Other Manufacturing Technology

	Belgium Units	Belgium $000	Brazil Units	Brazil $000	Canada Units	Canada $000	France Units	France $000	Italy Units	Italy $000
1000000000	0	326	0	318	0	4770	0	818	0	1273
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	0	0	7	54	31	4	1	5
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	1	3	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	100	1	0	0	0	0
8477106010	0	0	0	0	4	861	3	488	0	0
106050	0	0	0	0	25	2704	3	362	12	909
200010	0	0	0	0	0	0	0	0	1	12
200050	0	0	0	0	3	252	0	0	1	200
300000	0	0	1	103	4	427	0	0	3	330
400000	0	0	0	0	0	0	0	0	0	0
8479899040	0	0	0	0	14	305	1	34	0	0
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	0	0	0	0	14	70
9024100000	0	0	0	0	0	146	0	4	0	115
9031100000	0	0	0	0	0	23	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	33	6	0	0	0	0
810060	0	0	0	0	0	0	455	9	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	5	3330	0	0	0	0	0	0	0	0
8462100030	17	372	0	0	0	0	0	0	0	0
100050	122	9191	0	0	0	0	0	0	0	0
210080	23	1074	0	0	0	0	0	0	0	0
290030	4	121	0	0	6	99	0	0	0	0
290040	7	140	0	0	0	0	0	0	1	5
290050	20	801	0	0	0	0	3	8	4	142
310080	0	0	0	0	0	0	0	0	0	0
390050	9	160	0	0	0	0	0	0	2	17
410080	18	2120	0	0	0	0	0	0	0	0
490050	17	862	0	0	0	0	0	0	5	113
910060	1	29	0	0	0	0	0	0	0	0
910090	9	2158	0	0	1	138	0	0	0	0
990030	1	130	0	0	0	0	0	0	0	0
990040	6	814	0	0	0	0	0	0	2	500
990060	110	4300	0	0	0	0	0	0	5	54
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	4	216	0	0	0	0	0	0	0	0
900080	7	888	0	0	0	0	1	3	5	151
9800000002	4	244	0	0	0	0	0	0	0	0
9900000002	214	90	0	0	0	0	60	33	13	5
Month Tot	598	27042	0	0	7	237	64	44	37	986
Y-T-D Tot	598	27042	0	0	7	237	64	44	37	986
NC YTD Tot	43	3354	0	0	0	0	0	0	0	0
C&F Month	2678	102811	47	1111	63	1335	219	1600	168	1462
C&F Y-T-D	2678	102811	47	1111	63	1335	219	1600	168	1462
C&F NC YTD	715	69211	2	73	11	477	34	854	1	23

Other Manufacturing Technology

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	12916	0	69	0	774	0	377	0	763
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	61	646	0	0	0	0	0	0	4	207
8456101010	2	453	0	0	0	0	0	0	0	0
101020	1	309	0	0	0	0	0	0	0	0
105000	1	296	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	1	6	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477106010	4	700	0	0	0	0	0	0	1	4
106050	77	9166	7	319	4	153	0	0	0	0
200010	5	1395	0	0	0	0	0	0	0	0
200050	20	418	1	5	0	0	0	0	0	0
300000	5	1135	0	0	0	0	0	0	0	0
400000	3	913	0	0	0	0	0	0	0	0
8479899040	170	5393	0	0	0	0	0	0	15	543
900040	0	0	0	0	0	0	0	0	0	0
8537100030	506	2415	0	0	0	0	0	0	0	0
9024100000	0	75	0	0	0	0	0	0	0	0
9031100000	0	679	0	0	0	0	0	0	0	0
300000	0	47	0	0	0	0	0	0	0	0
9032810020	0	0	486	95	0	0	0	0	0	0
810060	0	0	0	0	5	1	0	0	414	90

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	260	0	0	3	424	1	5	3	58
8462100030	0	0	0	0	1	364	0	0	0	0
100050	0	0	0	0	9	78	35	3124	26	245
210080	1	31	0	0	0	0	13	860	4	471
290030	0	0	1	5	0	0	0	0	6	89
290040	0	0	0	0	0	0	1	4	0	0
290050	4	462	0	0	3	581	10	533	5	703
310080	0	0	0	0	0	0	4	573	2	75
390050	1	204	0	0	13	78	11	427	3	44
410080	0	0	1	93	1	42	8	658	1	208
490050	0	0	11	276	1	31	12	103	0	0
910060	0	0	0	0	0	0	0	0	3	36
910090	1	395	1	15	0	0	9	115	13	34
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	3	34	0	0	2	38	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	3	150	0	0
300080	1	5	0	0	1	3	11	553	0	0
900080	3	204	1	22	24	134	14	1053	1	100
9800000002	9	216	4	4	11	34	8	65	2	22
9900000002	19	11	1290	285	6	4	83	16	236	72
Month Tot	40	1788	1312	734	73	1772	225	8277	305	2157
Y-T-D Tot	40	1788	1312	734	73	1772	225	8277	305	2157
NC YTD Tot	1	31	1	93	1	42	25	2091	10	790
C&F Month	148	8128	31288	10904	605	9131	810	32628	6063	7273
C&F Y-T-D	148	8128	31288	10904	605	9131	810	32628	6063	7273
C&F NC YTD	18	2700	70	2475	60	4361	116	11413	51	3013

Other Manufacturing Technology

1000000000	0	2872	0	1393	0	3929	0	9796	0	72
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	0	0	12	8	1	196	0	0
8456101010	0	0	0	0	3	320	0	0	0	0
101020	0	0	0	0	0	0	1	187	0	0
105000	2	13	0	0	1	108	0	0	29	156
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	148	0	0	1	160	1	10
106050	9	1436	6	286	5	80	55	1944	6	363
200010	0	0	0	0	0	0	9	328	1	60
200050	0	0	1	13	13	139	24	1342	0	0
300000	0	0	0	0	0	0	2	326	3	580
400000	0	0	2	15	11	27	1	2	0	0
8479899040	44	64	0	0	3	17	236	226	1	38
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	0	0	8	61	0	0
9024100000	0	0	0	0	0	167	0	12	0	44
9031100000	0	23	0	0	0	10	0	209	0	375
300000	0	52	0	0	0	162	0	113	0	43
9032810020	0	0	0	0	1	2	1	2	14470	135
810060	0	0	0	0	0	0	0	0	50	9

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Cutting and Metal Forming Machine Tool Totals
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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	62	309	2	143	64	452
Bulgaria	0	0	0	0	0	0
Czechoslovakia	5	38	0	0	5	38
Denmark	9	102	0	0	9	102
East Germany	9	132	0	0	9	132
Finland	326	28	10	324	336	352
Hungary	10	1300	0	0	10	1300
Ireland	1	14	0	0	1	14
Luxembourg	0	0	0	0	0	0
Netherlands	4	555	8	502	12	1057
Norway	0	0	2	239	2	239
Poland	31	292	0	0	31	292
Portugal	0	0	11	145	11	145
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	117	593	1	340	118	933
Oth Europe	0	0	20	36	20	36
TOTAL	4029	53729	585	16617	4614	70346
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	116	33	39	259	155	292
Oth N & C Am.	0	0	0	0	0	0
TOTAL	320	1714	270	5683	590	7396
SOUTH AMERICA						
Argentina	3	20	0	0	3	20
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	135	867	1	1	136	869
OCEANIA						
Australia	21	188	0	0	21	188
New Zealand	40	33	1	100	41	133
Oth Oceania	0	0	0	0	0	0
TOTAL	61	221	1	100	62	321

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Metal Cutting and Metal Forming Machine Tool Totals
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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	4907	962	0	0	4907	962
Hong Kong	2	2	194	8	196	10
India	85	46	3	5	88	51
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	6	458	10	15	16	473
Malaysia	0	0	0	0	0	0
Pakistan	0	0	2	1	2	1
Philippines	0	0	0	0	0	0
Thailand	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	37159	89615	2126	28042	39285	117658
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	4	14	2	39	6	53
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	4	14	2	39	6	53

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include codes 8456300000 and 9000000001.

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RELEASED: July 19, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	292	1174	124	510
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	4	541	2	281
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	3	646	2	441
100035	Horiz. mach. ctrs., ATC	7	5652	4	3968
100045	Mach. ctrs., n.e.c.	29	2079	14	1142
200010	Unit construction mach. (single station transfer), NC	1	1446	1	1446
200090	Unit construction mach. (single station transfer), non-NC	0	0	0	0
300010	Multi-station transfer machines, NC	0	0	0	0
300090	Multi-station transfer machines, non-NC	6	1656	4	946
8458110010	Horiz. lathes, multiple spindle, NC	0	0	0	0
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	13	1160	4	342
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	7	1201	0	0
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	1	120	1	120
190030	Horiz. engine or toolroom lathes, non-NC	11	293	11	293
190050	Automatic bar and/or chucking mach., single spindle, non-NC	10	32	10	32
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	2	68	0	0
190090	Horiz. lathes, n.e.c., non-NC	35	449	25	273
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	1	59	0	0
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	1	307	0	0
991050	Vertical turret lathes, non-NC	4	74	4	74
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	10	826	6	604
8459100000	Way-type unit head machines	2	789	0	0
210080	Other drilling machines, NC	10	872	6	625
290040	Drilling machines, multiple spindle, non-NC	1	35	0	0
290050	Drilling machines, radial, non-NC	9	376	1	27
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	10	45	9	41
290090	Drilling machines, n.e.c., non-NC	5	265	1	3
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	1	245	1	245
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling mach., n.e.c., NC	7	428	5	274
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	81	515	11	145
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	5	71	4	44
400070	Boring machines, n.e.c., NC	1	1350	1	1350
400080	Boring machines, n.e.c., non-NC	5	575	4	488
510080	Milling machines, knee type, NC	1	28	1	28
590030	Milling machines, knee type, non-NC	4	138	0	0
610080	Milling machines, excl. knee type, n.e.c., NC	9	1536	4	109
690050	Milling machines, profile, dup., or die sinking, non-NC	5	459	4	402
690070	Milling machines, bed type, non-NC	14	2933	5	1544
690090	Milling machines, n.e.c., non-NC	122	3085	75	1191
700020	Threading or tapping machines, n.e.c., NC	2	83	2	83
700080	Threading or tapping machines, n.e.c., non-NC	41	2903	28	478
8460110080	Flat surface grinding mach., NC	44	3465	17	1103
190010	Flat surface grinding mach., recip.-table type, non-NC	10	245	1	3
190050	Flat surface grinding mach., n.e.c., non-NC	15	1118	5	375
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	27	3158	22	2982
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	3	343	1	28
290030	Grinding mach., internal cylindrical, non-NC	12	557	5	195
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	86	1806	26	717
310080	Sharpening machines (tool & cutter grinding), NC	2	63	1	35
390050	Sharpening machines (tool & cutter grinding), non-NC	115	1547	89	1028
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	99	1116	49	639
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	17	1316	7	268
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	94	2046	71	1572
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	37	697	15	230
200010	Shaping or slotting machines, NC	0	0	0	0
200090	Shaping or slotting machines, non-NC	6	104	5	99
300060	Broaching machines, NC	0	0	0	0
300080	Broaching machines, non-NC	1	28	1	28
401050	Gear hobbers	17	2065	1	20
401070	Gear shapers	8	280	1	26
401090	Gear cutting machines, n.e.c.	21	3889	9	1372
405060	Gear grinding or finishing machines	11	1301	10	669
500050	Sawing or cutting-off machines, NC	3	451	2	331
500090	Sawing or cutting-off machines, non-NC	104	1658	68	911
9000000001	Metal cutting machine tools, n.e.c.	36	309	20	152
9800000001	Used or rebuilt machine tools	1555	8310	485	4113
9900000001	Machine tools valued at less than $2,500	4320	2560	2334	1395
	Cutting Total			3619	35839
	Y-T-D Cutting Total	7415	72943		
	NC Y-T-D Cutting Total*	191	26206		

Please see notes on last page
of the metal forming section.

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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	2	17	3	3	2	4	0	0	18	25
8457100015	0	0	0	0	0	0	0	0	1	115
100025	0	0	0	0	0	0	0	0	2	441
100035	0	0	0	0	0	0	0	0	1	381
100045	0	0	0	0	6	656	0	0	4	330
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	2	184
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	120
190030	0	0	0	0	0	0	0	0	2	42
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	14	223
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	200
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	45
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	8	33
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	10	140
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	1	28
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	27
690050	0	0	0	0	0	0	0	0	2	154
690070	1	549	0	0	0	0	0	0	4	995
690090	0	0	0	0	0	0	40	458	15	369
700020	0	0	0	0	0	0	0	0	0	0
700080	5	89	0	0	2	147	0	0	12	70
8460110080	0	0	0	0	1	44	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	3	159
290010	0	0	0	0	0	0	0	0	1	28
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	5
310080	0	0	0	0	0	0	0	0	0	0
390050	2	27	0	0	0	0	0	0	7	65
400060	0	0	0	0	0	0	0	0	0	0
400080	1	9	0	0	14	57	3	32	3	165
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	4	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	40
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	59	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	9	73	0	0	0	0	0	0	19	156
9000000001	1	23	0	0	0	0	0	0	2	7
9800000001	2	52	0	0	0	0	6	105	148	899
9900000001	9	7	0	0	0	0	31	19	1046	403
Month Tot	32	846	3	3	26	912	81	674	1331	5847
Y-T-D Tot	63	1689	4	11	48	1561	107	1720	2227	8308
NC YTD Tot*	1	119	0	0	15	1208	1	231	26	2611

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	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	1	4	0	0	17	11
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	1	495	1	3047	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	2	635	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	158	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	2	114	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	1	9	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	4	232	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	1	1350	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	32
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	18	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	472	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	110	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	1	20	0	0	0	0	2	21	1	374
400060	0	0	0	0	0	0	0	0	0	0
400080	1	82	6	57	1	36	0	0	0	0
900060	0	0	0	0	1	56	0	0	0	0
900080	0	0	4	17	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	130	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	124	0	0	0	0
405060	0	0	0	0	0	0	0	0	9	654
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	8	0	0	0	0	0	0
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	1	5	2	17	3	60	0	0	4	45
9900000001	2	2	14	9	0	0	0	0	11	6
Month Tot	17	3468	30	3164	11	634	2	21	43	1122
Y-T-D Tot	52	5081	48	3840	50	2052	68	371	90	3291
NC YTD Tot*	22	4163	3	3268	1	56	0	0	3	757

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	55	249	0	0	0	0	4	134	3	5
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	4	155	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	1	121	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	1	3	0	0
190050	0	0	0	0	0	0	10	32	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	10	42	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	1	15	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	63	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	1	5	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	4	44	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	59	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	2	50	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	9	139	0	0	5	73	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	4	13	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	3	363	0	0	0	0	1	6	0	0
210080	10	599	0	0	0	0	1	19	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	2	405	0	0	0	0	21	187	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	1	7	0	0	2	13	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	4	0	0	3	22	0	0
900060	0	0	1	34	0	0	0	0	0	0
900080	1	3	3	16	0	0	57	1487	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	10	57	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	28	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	51
405060	0	0	0	0	0	0	1	16	0	0
500050	1	328	0	0	0	0	1	3	0	0
500090	6	48	2	15	0	0	10	202	4	84
9000000001	0	0	0	0	0	0	9	50	0	0
9800000001	2	9	45	1088	0	0	147	830	0	0
9900000001	543	351	13	9	0	0	191	160	27	16
Month Tot	625	2483	76	1392	2	13	499	3667	35	156
Y-T-D Tot	811	5803	146	6398	8	48	1817	8010	84	2096
NC YTD Tot*	15	1444	5	1072	0	0	20	1689	17	1877

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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	4	6	1	30	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	92	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	1	70	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	2	110	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	4	0	1	588	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	5	195	0	0
290050	0	0	0	0	1	10	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	11	130	0	0	0	0
900060	0	0	0	0	0	0	0	0	5	178
900080	0	0	0	0	1	8	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	20
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	2	17	1	11	1	3	2	30	0	0
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	4	97	0	0	0	0	1	7	23	136
9900000001	97	142	27	18	0	0	11	7	0	0
Month Tot	103	255	32	35	17	862	22	420	29	334
Y-T-D Tot	177	1112	175	337	30	907	53	1641	30	488
NC YTD Tot*	0	0	0	0	3	697	3	180	5	178

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	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	4	8	0	0	0	0	7	12	3	3
8457100015	1	166	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	46
100045	0	0	0	0	0	0	0	0	0	0
200010	1	1446	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	1	190
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	7	239	0	0	0	0	0	0	1	9
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	8	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	4	74	0	0	0	0	0	0	0	0
995090	1	60	0	0	0	0	0	0	1	215
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	3	425	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	27
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	1	3
310010	0	0	0	0	0	0	1	245	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	1	42	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	3	429
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	2	249	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	46	3	87
700020	0	0	0	0	0	0	1	13	0	0
700080	0	0	0	0	0	0	1	82	4	77
8460110080	14	948	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	3
190050	0	0	0	0	0	0	0	0	1	5
210080	1	318	0	0	0	0	1	671	4	157
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	1	35	0	0	0	0
390050	0	0	0	0	0	0	13	76	60	425
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	8	4	38	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	8	0	0	0	0	1	20	2	9
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	3	23	0	0	1	20
200010	0	0	0	0	0	0	0	0	0	0
200090	1	16	0	0	1	9	1	31	1	3
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	26
401090	5	470	1	667	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	6	215	0	0	0	0	1	4	3	45
9000000001	1	20	0	0	4	32	0	0	3	21
9800000001	11	38	0	0	12	6	32	95	42	625
9900000001	103	99	0	0	8	3	89	44	112	100
Month Tot	162	4133	1	667	31	157	159	2051	250	2524
Y-T-D Tot	341	5639	2	670	160	3716	358	2792	466	5360
NC YTD Tot*	27	3844	0	0	3	202	8	1552	16	1105

Please see notes on last page of the metal forming section.

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RELEASED: July 19, 1989

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8454300010	Die casting machines	91	1811	62	1150
8462100030	Headers and upsetters, including cold headers	4	1180	2	883
100050	Forging or die stamping machines, and hammers, n.e.c.	116	5293	72	2341
210080	Bending, folding, straight. or flat. mach., incl presses, NC	62	2858	49	1640
290030	Press brakes, non-NC	4	305	3	229
290040	Bending rolls, non-NC	16	600	5	173
290050	Bending, folding, straight., or flat., n.e.c., non-NC	106	2745	47	1033
310080	Shearing machines, NC	5	531	2	240
390050	Shearing machines, non-NC	39	846	32	777
410080	Punching or notching mach., incl. comb. punch & shear, NC	20	5154	15	3486
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	126	3559	78	2630
910060	Hydraulic presses, NC	21	709	20	672
910090	Hydraulic presses, non-NC	67	2937	44	1919
990030	Presses, n.e.c., NC	8	1929	5	597
990040	Presses, mechanical, non-NC	62	2665	6	1032
990060	Presses, n.e.c., non-NC	90	3302	40	1732
8463100080	Draw benches for bars, tubes, profiles, wire or the like	72	1367	11	203
200080	Thread rolling machines	6	1675	4	228
300080	Machines for working wire	237	9294	91	5232
900080	Metal forming machine tools, n.e.c.	182	13301	98	8095
9800000002	Used or rebuilt machine tools	836	10654	352	6681
9900000002	Machine tools valued at less than $2,500	1022	816	561	499
	Forming Total			1599	41471
	Y-T-D Forming Total	3192	73532		
	NC Y-T-D Forming Total	116	11180		
	Cutting and Forming Totals:				
	Monthly Total			5218	77310
	Y-T-D Total	10607	146475		
	NC Y-T-D Total*	307	37386		

Other Manufacturing Technology		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
1000000000	Machine Tool Parts and Accessories	0	91586	0	44931
2710003070	Quenching or cutting oils	0	1929	0	545
8428900010	Industrial robots for lifting, handling, loading or unload	232	2739	91	1171
8456100000	Laser, light or photon beam for working any material	1503	5800	1173	1933
200000	Ultrasonic process for working any material	63	40	28	11
8477106010	Injection molding mach., for rubber or oth. thermosetting	20	1612	7	462
106050	Injection molding mach., for thermoplastics	74	10471	39	7521
200010	Extruders for rubber or other thermosetting materials	42	1204	14	373
200050	Extruders for processing thermoplastics	222	6123	133	3359
300000	Blow molding machines	65	3541	44	1464
400000	Vacuum-molding and other thermoforming machines	261	3036	159	2018
8479899040	Industrial robots, n.e.c.	301	3979	231	2910
900040	Industrial robot parts	0	1691	0	1253
8537100030	Numerical controls for controlling machine tools	4715	5358	433	2652
9024100000	Machines and appliances for testing metals	0	14349	0	8305
9031100000	Machines for balancing mechanical parts	0	6302	0	1051
300000	Profile projectors	0	606	0	395
9032810040	Industrial process control instr., hydraulic or pneumatic	79151	5108	51595	3084

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include codes 8456300000 and 9000000001.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	8	26	2	20	0	0	0	0	20	212
8462100030	0	0	0	0	0	0	1	876	1	7
100050	2	204	0	0	0	0	0	0	20	183
210080	0	0	0	0	0	0	0	0	4	122
290030	0	0	0	0	0	0	0	0	1	96
290040	1	9	0	0	0	0	0	0	2	29
290050	0	0	0	0	0	0	0	0	15	259
310080	0	0	0	0	0	0	0	0	2	240
390050	0	0	0	0	0	0	0	0	1	3
410080	1	166	0	0	0	0	0	0	6	1943
490050	1	10	0	0	0	0	0	0	15	432
910060	0	0	0	0	0	0	0	0	1	7
910090	0	0	0	0	0	0	0	0	9	372
990030	1	98	0	0	0	0	0	0	1	114
990040	0	0	0	0	0	0	0	0	2	47
990060	0	0	0	0	0	0	1	10	1	12
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	31	0	0	7	69	4	240
900080	1	726	2	408	0	0	0	0	12	122
9800000002	1	15	1	27	0	0	2	47	14	208
9900000002	6	8	0	0	1	2	0	0	193	140
Month Tot	22	1261	6	486	1	2	11	1001	324	4788
Y-T-D Tot	33	1449	6	486	3	47	25	1186	388	7312
NC YTD Tot	3	338	0	0	0	0	0	0	21	3908
C&F Month	54	2107	9	489	27	915	92	1675	1655	10634
C&F Y-T-D	96	3138	10	497	51	1608	132	2906	2615	15620
C&F NC YTD	4	458	0	0	15	1208	1	231	47	6519

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	799	0	160	0	468	0	550	0	6772
2710003070	0	26	0	0	0	5	0	0	0	122
8428900010	1	6	0	0	0	0	0	0	54	1013
8456100000	0	0	0	0	2	55	0	0	5	190
200000	0	0	0	0	0	0	0	0	1	2
8477106010	1	73	0	0	0	0	0	0	2	92
106050	0	0	0	0	0	0	0	0	10	2458
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	0	0	16	581
300000	1	478	0	0	0	0	0	0	1	14
400000	1	5	0	0	20	169	1	19	36	406
8479899040	4	24	0	0	0	0	0	0	113	732
900040	0	2	0	0	0	0	0	0	0	318
8537100030	11	72	3	18	0	0	1	4	25	122
9024100000	0	90	0	2	0	14	0	63	0	319
9031100000	0	3	0	0	0	0	0	0	0	482
300000	0	0	0	0	0	0	0	0	0	36
9032810040	716	56	196	10	436	51	308	15	4132	304

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	435	6	30	0	0	0	0	1	233
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	32	0	0	0	0	0	0
210080	0	0	2	61	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	64	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	32	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	4	144	1	39	0	0	11	535
910060	15	227	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	3	492	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	1	195	0	0	0	0	0	0	0	0
300080	0	0	4	19	1	29	0	0	3	319
900080	0	0	1	53	2	45	0	0	6	151
9800000002	56	1470	19	77	0	0	0	0	0	0
9900000002	0	0	2	2	4	3	0	0	0	0
Month Tot	73	2327	44	975	9	147	0	0	21	1239
Y-T-D Tot	89	2966	110	2055	16	762	0	0	48	2715
NC YTD Tot	15	227	2	61	0	0	0	0	1	1088
C&F Month	90	5795	74	4139	20	782	2	21	64	2361
C&F Y-T-D	141	8047	158	5895	66	2814	68	371	138	6006
C&F NC YTD	37	4390	5	3329	1	56	0	0	4	1845

Other Manufacturing Technology

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	966	0	1074	0	695	0	23	0	1227
2710003070	0	0	0	0	0	0	0	32	0	0
8428900010	0	0	10	3	0	0	0	0	0	0
8456100000	0	0	3	8	1	157	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	12	310	1	10	0	0	0	0	1	25
300000	0	0	6	96	0	0	0	0	0	0
400000	0	0	1	123	0	0	0	0	0	0
8479899040	10	60	18	173	0	0	0	0	4	26
900040	0	85	0	20	0	0	0	0	0	0
8537100030	0	0	62	289	0	0	0	0	16	135
9024100000	0	697	0	60	0	53	0	0	0	52
9031100000	0	0	0	13	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810040	3141	196	1268	79	196	49	0	0	3093	172

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	13	0	0	2	17	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	8	1072	2	61	0	0	9	119	0	0
210080	26	901	0	0	0	0	4	124	0	0
290030	1	92	0	0	0	0	1	41	0	0
290040	0	0	0	0	0	0	1	109	0	0
290050	2	137	0	0	0	0	10	117	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	2	16	0	0
410080	1	669	0	0	0	0	0	0	2	179
490050	0	0	0	0	0	0	4	207	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	3	23	0	0	0	0	23	268	1	27
990030	0	0	0	0	0	0	0	0	0	0
990040	1	48	0	0	0	0	1	13	0	0
990060	11	441	5	270	0	0	12	263	0	0
8463100080	1	6	1	5	0	0	6	140	0	0
200080	0	0	0	0	0	0	3	33	0	0
300080	1	33	0	0	0	0	6	42	0	0
900080	22	2617	14	899	0	0	4	32	0	0
9800000002	11	67	50	792	0	0	117	924	0	0
9900000002	31	26	0	0	0	0	69	63	0	0
Month Tot	120	6147	72	2026	2	17	272	2512	3	206
Y-T-D Tot	200	11720	116	3164	5	149	486	8356	8	444
NC YTD Tot	29	1639	0	0	0	0	9	480	2	179
C&F Month	745	8630	148	3418	4	30	771	6178	38	362
C&F Y-T-D	1011	17522	262	9562	13	197	2303	16366	92	2540
C&F NC YTD	44	3083	5	1072	0	0	29	2169	19	2057

Other Manufacturing Technology

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	5792	0	2838	0	207	0	4253	0	333
2710003070	0	21	0	15	0	0	0	26	0	2
8428900010	0	0	0	0	0	0	2	61	0	0
8456100000	1028	652	1	10	0	0	3	4	0	0
200000	26	3	0	0	0	0	1	5	0	0
8477106010	0	0	0	0	0	0	2	80	0	0
106050	0	0	5	2299	0	0	7	1338	0	0
200010	0	0	1	30	0	0	2	51	0	0
200050	8	183	2	93	0	0	28	504	0	0
300000	0	0	10	187	0	0	14	219	1	15
400000	13	11	15	2	0	0	8	780	0	0
8479899040	5	78	1	570	1	10	0	0	0	0
900040	0	45	0	20	0	0	0	9	0	0
8537100030	4	28	12	61	1	6	4	15	0	0
9024100000	0	1912	0	2437	0	11	0	178	0	4
9031100000	0	29	0	6	0	7	0	224	0	0
300000	0	308	0	7	0	0	0	4	0	0
9032810040	3928	288	183	9	0	0	137	23	9784	534

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	2	0	0	0	0	1	7	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	132	0	0	0	0	1	9	3	57
210080	0	0	0	0	3	109	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	7	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	25	690	0	0	0	0	0	0
410080	4	417	0	0	1	113	0	0	0	0
490050	0	0	0	0	10	88	12	750	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	1	17	0	0	0	0
990030	0	0	0	0	0	0	2	148	0	0
990040	2	924	0	0	0	0	0	0	0	0
990060	1	7	0	0	0	0	1	40	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	18	1	6	0	0	0	0
900080	1	42	1	25	0	0	0	0	0	0
9800000002	0	0	0	0	0	0	0	0	2	13
9900000002	0	0	2	2	0	0	7	7	0	0
Month Tot	10	1525	30	735	16	333	25	967	5	70
Y-T-D Tot	71	3740	36	853	16	333	44	1206	5	70
NC YTD Tot	5	653	0	0	4	222	2	148	0	0
C&F Month	113	1780	62	770	33	1195	47	1387	34	404
C&F Y-T-D	248	4852	211	1191	46	1240	97	2848	35	558
C&F NC YTD	5	653	0	0	7	919	5	328	5	178

Other Manufacturing Technology

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	811	0	982	0	1107	0	652	0	118
2710003070	0	19	0	0	0	0	0	101	0	25
8428900010	4	21	0	0	0	0	0	0	0	0
8456100000	0	0	0	0	2	40	13	257	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	3	490	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	1	40	0	0
300000	0	0	0	0	0	0	5	96	1	297
400000	1	8	0	0	18	26	1	6	1	8
8479899040	0	0	0	0	0	0	0	0	0	0
900040	0	8	0	41	0	0	0	0	0	0
8537100030	3	11	2	11	46	216	6	33	0	0
9024100000	0	642	0	714	0	14	0	109	0	3
9031100000	0	18	0	0	0	0	0	0	0	0
300000	0	4	0	0	0	0	0	0	0	0
9032810040	537	33	3053	157	158	13	1292	67	14	3

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 89

Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	15	0	0	2	21	6	4	10	114
8462100030	0	0	0	0	0	0	0	0	0	0
100050	3	37	0	0	1	19	0	0	21	417
210080	9	286	0	0	0	0	0	0	1	35
290030	0	0	0	0	0	0	0	0	0	0
290040	1	25	0	0	0	0	0	0	0	0
290050	2	56	0	0	0	0	2	97	13	297
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	3	36
410080	0	0	0	0	0	0	0	0	0	0
490050	2	21	0	0	0	0	5	18	13	386
910060	0	0	1	59	0	0	0	0	3	380
910090	0	0	0	0	0	0	1	1100	6	112
990030	0	0	0	0	0	0	0	0	1	238
990040	0	0	0	0	0	0	0	0	0	0
990060	1	113	0	0	3	71	0	0	1	12
8463100080	0	0	0	0	0	0	0	0	3	52
200080	0	0	0	0	0	0	0	0	0	0
300080	51	4107	0	0	4	265	0	0	6	54
900080	4	32	0	0	4	106	5	1158	19	1680
9800000002	6	202	0	0	7	2094	5	202	61	543
9900000002	6	5	0	0	5	3	17	17	218	221
Month Tot	86	4898	1	59	26	2579	41	2595	379	4576
Y-T-D Tot	223	9153	1	59	46	3452	85	3662	1132	8194
NC YTD Tot	10	705	1	59	1	19	1	71	10	1383
C&F Month	248	9032	2	726	57	2736	200	4646	629	7100
C&F Y-T-D	564	14792	3	729	206	7168	443	6453	1598	13554
C&F NC YTD	37	4549	1	59	4	221	9	1623	26	2488

Other Manufacturing Technology

1000000000	0	4123	0	19	0	784	0	2348	0	221
2710003070	0	6	0	0	0	17	0	0	0	130
8428900010	2	6	0	0	0	0	18	61	0	0
8456100000	97	123	0	0	0	0	10	268	8	167
200000	0	0	0	0	0	0	0	0	0	0
8477106010	1	32	0	0	0	0	0	0	1	185
106050	4	263	0	0	0	0	1	112	9	560
200010	0	0	0	0	0	0	11	292	0	0
200050	6	131	0	0	1	17	0	0	57	1464
300000	0	0	0	0	3	46	0	0	2	16
400000	5	78	0	0	0	0	0	0	38	375
8479899040	8	87	0	0	0	0	54	1062	13	88
900040	0	592	0	0	0	0	0	74	0	38
8537100030	105	831	0	0	0	0	92	485	40	315
9024100000	0	284	0	6	0	13	0	263	0	361
9031100000	0	15	0	0	0	0	0	94	0	161
300000	0	13	0	0	0	0	0	0	0	22
9032810040	4321	297	0	0	79	47	2445	163	12178	519

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	0	0	1	21	1	21
East Germany	0	0	0	0	0	0
Finland	0	0	0	0	0	0
Greece	0	0	0	0	0	0
Hungary	2	61	0	0	2	61
Iceland	0	0	0	0	0	0
Ireland	5	113	8	72	13	186
Luxembourg	0	0	0	0	0	0
Norway	0	0	3	380	3	380
Poland	0	0	0	0	0	0
Portugal	0	0	0	0	0	0
Romania	0	0	0	0	0	0
Sweden	64	390	10	1347	74	1737
Turkey	0	0	0	0	0	0
Yugoslavia	0	0	5	2	5	2
Oth Europe	0	0	1	8	1	8
TOTAL	579	13670	277	13358	856	27028
NORTH AND CENTRAL AMERICA						
Bahamas	1	3	0	0	1	3
Barbados	0	0	5	10	5	10
Belize	0	0	0	0	0	0
Bermuda	1	26	1	3	2	29
Costa Rica	17	12	8	3	25	15
Dominican Rep	1	3	7	48	8	51
El Salvador	1	5	0	0	1	5
Guatemala	0	0	0	0	0	0
Haiti	0	0	0	0	0	0
Honduras	3	54	0	0	3	54
Jamaica	0	0	1	9	1	9
Panama	0	0	1	14	1	14
Trinidad	1	27	0	0	1	27
Oth N & C Am.	2	15	22	56	24	71
TOTAL	1857	9658	641	7442	2498	17100
SOUTH AMERICA						
Argentina	3	65	196	216	199	281
Bolivia	0	0	0	0	0	0
Chile	3	38	3	11	6	49
Colombia	32	85	7	76	39	161
Ecuador	0	0	2	29	2	29
Paraguay	0	0	0	0	0	0
Peru	4	33	19	388	23	421
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	154	1051	264	4300	418	5351
OCEANIA						
New Zealand	0	0	0	0	0	0
Oth Oceania	1	6	0	0	1	6
TOTAL	33	852	22	1261	55	2113

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	56	758	3	231	59	989
Iran	0	0	5	730	5	730
Iraq	2	88	13	139	15	227
Israel	7	97	4	32	11	129
Jordan	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	2	91	0	0	2	91
Philippines	9	6	2	35	11	40
Qatar	0	0	0	0	0	0
Saudi Arabia	10	27	3	184	13	211
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	0	0	0	0	0	0
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	10	262	10	262
TOTAL	594	15043	270	12162	864	27206
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	0	0	0	0	0	0
Ethiopia	8	43	0	0	8	43
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	1	16	1	16
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	1	2	1	2
South Africa	7	46	1	12	8	58
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	15	89	3	30	18	119

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include codes 8456300000 and 9000000001.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89

RELEASED: July 19, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC	51	4086	51	4086
301030	Traveling wire electro-discharge machines, non-NC	23	1788	23	1788
301050	Electro-discharge machines, n.e.c., NC	11	212	11	212
301070	Electro-discharge machines, n.e.c., non-NC	19	977	19	977
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	205	18504	205	18504
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	13	1013	13	1013
100035	Horiz. mach. ctrs., ATC	60	11050	60	11050
100045	Mach. ctrs., n.e.c.	37	4362	37	4362
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	2	44	2	44
300010	Multi-station transfer machines, NC	3	1233	3	1233
300090	Multi-station transfer machines, non-NC	6	525	6	525
8458110010	Horiz. lathes, multiple spindle, NC	26	3562	26	3562
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	244	19229	244	19229
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	72	9116	72	9116
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	24	1780	24	1780
190030	Horiz. engine or toolroom lathes, non-NC	321	2486	321	2486
190050	Automatic bar and/or chucking mach., single spindle, non-NC	17	476	17	476
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	9	415	9	415
190090	Horiz. lathes, n.e.c., non-NC	135	1959	135	1959
911060	Vertical turret lathes, multiple spindle, NC	3	516	3	516
911080	Vertical turret lathes, n.e.c., NC	1	58	1	58
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	1	2	1	2
915070	Vertical lathes, excl. VTL's, n.e.c., NC	8	623	8	623
991050	Vertical turret lathes, non-NC	2	375	2	375
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	76	2112	76	2112
8459100000	Way-type unit head machines	0	0	0	0
210080	Other drilling machines, NC	47	2671	47	2671
290040	Drilling machines, multiple spindle, non-NC	5	33	5	33
290050	Drilling machines, radial, non-NC	44	236	44	236
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	14	81	14	81
290090	Drilling machines, n.e.c., non-NC	51	7139	51	7139
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	31	3378	31	3378
310070	Boring-milling mach., n.e.c., NC	5	208	5	208
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	49	1	49
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	23	2106	23	2106
400040	Boring machines, vertical, NC	5	979	5	979
400050	Boring machines, vertical, non-NC	1	17	1	17
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	23	908	23	908
510080	Milling machines, knee type, NC	78	1239	78	1239
590030	Milling machines, knee type, non-NC	266	4933	266	4933
610080	Milling machines, excl. knee type, n.e.c., NC	22	2368	22	2368
690050	Milling machines, profile, dup., or die sinking, non-NC	0	0	0	0
690070	Milling machines, bed type, non-NC	2	40	2	40
690090	Milling machines, n.e.c., non-NC	42	1141	42	1141
700020	Threading or tapping machines, n.e.c., NC	6	781	6	781
700080	Threading or tapping machines, n.e.c., non-NC	32	1160	32	1160
8460110080	Flat surface grinding mach., NC	22	1764	22	1764
190010	Flat surface grinding mach., recip.-table type, non-NC	43	828	43	828
190050	Flat surface grinding mach., n.e.c., non-NC	173	1188	173	1188
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	10	843	10	843
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	49	829	49	829
290030	Grinding mach., internal cylindrical, non-NC	6	1016	6	1016
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	94	2889	94	2889
310080	Sharpening machines (tool & cutter grinding), NC	20	279	20	279
390050	Sharpening machines (tool & cutter grinding), non-NC	44	779	44	779
400060	Honing or lapping machines, NC	7	415	7	415
400080	Honing or lapping machines, non-NC	8	77	8	77
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	3	119	3	119
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	81	2534	81	2534
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	0	0	0	0
200010	Shaping or slotting machines, NC	0	0	0	0
200090	Shaping or slotting machines, non-NC	0	0	0	0
300060	Broaching machines, NC	0	0	0	0
300080	Broaching machines, non-NC	1	13	1	13
401050	Gear hobbers	5	2023	5	2023
401070	Gear shapers	1	286	1	286
401090	Gear cutting machines, n.e.c.	4	10	4	10
405060	Gear grinding or finishing machines	36	2039	36	2039
500050	Sawing or cutting-off machines, NC	11	128	11	128
500090	Sawing or cutting-off machines, non-NC	117	1728	117	1728
9000000001	Metal cutting machine tools, n.e.c.	40	1596	40	1596
9800000001	Used or rebuilt machine tools	422	2444	422	2444
9900000001	Machine tools valued at less than $2,500	38444	6361	38444	6361
	Cutting Total			41708	146160
	Y-T-D Cutting Total	41708	146160		
	NC Y-T-D Cutting Total*	1026	90519		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - January 89

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	0	0	0	0	0	0	0	0	0	0
301030	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	2	1025
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	1	109	0	0	1	239
110030	0	0	0	0	0	0	1	126	0	0
110050	0	0	3	9	0	0	2	221	0	0
110090	0	0	0	0	0	0	1	72	0	0
190030	0	0	23	190	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	80	483	0	0	0	0	1	21
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	12	37	1	6	0	0	15	280
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	3	900
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	4	31	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	1	17	11	4341	2	18
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	1	38	0	0	1	373
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	17
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	8	0	0	8	96
510080	4	124	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	3	322
610080	0	0	0	0	0	0	10	28	3	38
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	2	7	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	15	44	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	5	29
190050	0	0	3	79	15	139	0	0	1	2
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	25	443	1	24	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	6	10	29	0	0	3	62
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	2	8	0	0	0	0
900080	0	0	0	0	5	111	6	57	17	426
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	4	10
405060	0	0	0	0	0	0	0	0	1	5
500050	0	0	0	0	0	0	0	0	0	0
500090	21	158	0	0	21	229	0	0	3	25
9000000001	0	0	0	0	5	136	0	0	1	1
9800000001	5	668	0	0	26	277	0	0	1	3
9900000001	12	12	6	12	88	125	272	95	1507	427
Month Tot	42	962	132	848	204	1681	319	5007	1583	4318
Y-T-D Tot	42	962	132	848	204	1681	319	5007	1583	4318
NC YTD Tot*	4	124	3	9	4	155	14	446	10	2575

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	46	3516	0	0	0	0	0	0	0	0
301030	22	1776	0	0	0	0	0	0	0	0
301050	1	95	0	0	0	0	0	0	0	0
301070	1	198	0	0	0	0	0	0	0	0
8457100015	175	16000	0	0	8	446	0	0	0	0
100025	2	488	0	0	0	0	0	0	0	0
100035	40	8713	0	0	0	0	0	0	0	0
100045	8	1667	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	44
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	24	3214	0	0	0	0	0	0	0	0
110030	213	17876	1	38	3	31	0	0	0	0
110050	62	7896	0	0	0	0	1	543	0	0
110090	18	1197	0	0	0	0	0	0	0	0
190030	2	60	16	137	14	146	6	33	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	3	37	0	0	0	0	1	30	0	0
911060	3	516	0	0	0	0	0	0	0	0
911080	1	58	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	1	101	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	128	16	846	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	41	1402	0	0	0	0	0	0	0	0
290040	5	33	0	0	0	0	0	0	0	0
290050	2	46	0	0	0	0	0	0	14	42
290070	0	0	0	0	0	0	12	50	0	0
290090	7	664	0	0	0	0	10	50	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	1	77	0	0	0	0	0	0	0	0
390040	1	49	0	0	0	0	0	0	0	0
390050	1	1907	0	0	0	0	0	0	0	0
400040	1	312	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	32	201	0	0
590030	6	53	0	0	0	0	22	211	0	0
610080	2	296	0	0	0	0	0	0	1	23
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	6	216	0	0	0	0	2	70	1	38
700020	5	746	1	35	0	0	0	0	0	0
700080	2	355	0	0	0	0	0	0	0	0
8460110080	20	926	0	0	0	0	0	0	0	0
190010	6	296	0	0	27	390	0	0	0	0
190050	19	55	1	5	4	86	0	0	0	0
210080	4	406	0	0	0	0	0	0	0	0
290010	38	357	0	0	0	0	0	0	3	157
290030	0	0	0	0	0	0	0	0	0	0
290050	9	1492	0	0	0	0	0	0	5	16
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	2	284	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	1	110	0	0
900080	6	108	12	50	0	0	3	249	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	32	274	0	0	0	0	0	0	0	0
500050	2	71	0	0	0	0	0	0	0	0
500090	19	808	0	0	0	0	0	0	0	0
9000000001	4	72	0	0	0	0	0	0	0	0
9800000001	311	621	0	0	0	0	0	0	1	4
9900000001	905	309	0	0	0	0	65	9	104	152
Month Tot	2080	75769	47	1111	56	1099	155	1556	131	475
Y-T-D Tot	2080	75769	47	1111	56	1099	155	1556	131	475
NC YTD Tot*	672	65857	2	73	11	477	34	854	1	23

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - January 89

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	5	570	0	0	0	0	0	0	0	0
301030	0	0	1	13	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	10	117
301070	6	617	9	136	0	0	0	0	3	25
8457100015	0	0	9	436	7	789	4	816	2	18
100025	0	0	1	114	6	394	0	0	4	17
100035	0	0	0	0	0	0	20	2337	0	0
100045	1	23	4	303	18	953	5	439	1	975
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	208	0	0	0	0	0	0	0	0
300090	4	396	0	0	2	129	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	14	654	4	221	0	0	8	283
110050	0	0	0	0	0	0	2	376	2	71
110090	2	242	0	0	1	37	1	150	1	83
190030	0	0	103	849	21	239	0	0	136	832
190050	1	392	15	72	0	0	1	11	0	0
190070	1	68	0	0	6	78	2	269	0	0
190090	0	0	6	41	40	453	3	880	1	14
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	1	2	0	0
915070	0	0	5	278	0	0	2	245	0	0
991050	2	375	0	0	0	0	0	0	0	0
995090	0	0	11	102	8	404	2	35	10	275
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	3	369	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	7	21	0	0	6	48	11	47
290070	0	0	0	0	0	0	1	28	1	3
290090	0	0	2	8	1	5	17	2037	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	23	2886	6	82
310070	0	0	0	0	0	0	1	88	3	43
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	20	72	0	0	2	128	0	0
400040	0	0	0	0	3	631	0	0	1	36
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	414	0	0	9	104	2	238	2	48
510080	0	0	23	332	18	570	0	0	1	12
590030	0	0	147	851	81	379	5	3106	2	11
610080	1	1343	3	154	0	0	0	0	2	486
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	2	40	0	0	0	0	0	0
690090	0	0	8	32	1	125	6	312	16	341
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	3	9	2	366	9	340	1	45
8460110080	0	0	0	0	1	686	1	153	0	0
190010	0	0	4	60	1	54	0	0	0	0
190050	0	0	110	647	3	39	2	52	15	86
210080	3	193	0	0	1	28	2	215	0	0
290010	2	112	0	0	4	28	2	175	0	0
290030	0	0	1	14	0	0	5	1003	0	0
290050	5	349	4	27	12	151	26	306	7	82
310080	0	0	10	111	0	8	10	160	0	0
390050	2	63	1	18	9	48	10	525	8	27
400060	4	91	0	0	0	0	1	40	0	0
400080	0	0	0	0	0	0	5	57	3	20
900060	0	0	0	0	0	0	0	0	0	0
900080	2	29	2	28	8	81	13	1134	7	263
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	13	0	0
401050	0	0	0	0	0	0	5	2023	0	0
401070	0	0	0	0	0	0	1	286	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	1	733	0	0	0	0	2	1028	0	0
500050	0	0	0	0	0	0	9	57	0	0
500090	0	0	32	142	0	0	8	275	13	90
9000000001	2	81	0	0	0	0	21	1274	7	32
9800000001	2	30	32	359	27	203	16	270	1	10
9900000001	60	10	29387	4247	238	154	327	166	5473	644
Month Tot	108	6340	29976	10170	532	7358	585	24352	5758	5116
Y-T-D Tot	108	6340	29976	10170	532	7358	585	24352	5758	5116
NC YTD Tot*	17	2669	69	2382	59	4319	91	9322	41	2222

Please see notes on last page of the metal forming section.

U.S. EXPORTS

Metal Cutting Machine Tools - February 89

RELEASED: July 19, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	292	1174	124	510
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	4	541	2	281
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	3	646	2	441
100035	Horiz. mach. ctrs., ATC	7	5652	4	3968
100045	Mach. ctrs., n.e.c.	29	2079	14	1142
200010	Unit construction mach. (single station transfer), NC	1	1446	1	1446
200090	Unit construction mach. (single station transfer), non-NC	0	0	0	0
300010	Multi-station transfer machines, NC	0	0	0	0
300090	Multi-station transfer machines, non-NC	6	1656	4	946
8458110010	Horiz. lathes, multiple spindle, NC	0	0	0	0
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	13	1160	4	342
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	7	1201	0	0
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	1	120	1	120
190030	Horiz. engine or toolroom lathes, non-NC	11	293	11	293
190050	Automatic bar and/or chucking mach., single spindle, non-NC	10	32	10	32
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	2	68	0	0
190090	Horiz. lathes, n.e.c., non-NC	35	449	25	273
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	1	59	0	0
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	1	307	0	0
991050	Vertical turret lathes, non-NC	4	74	4	74
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	10	826	6	604
8459100000	Way-type unit head machines	2	789	0	0
210080	Other drilling machines, NC	10	872	6	625
290040	Drilling machines, multiple spindle, non-NC	1	35	0	0
290050	Drilling machines, radial, non-NC	9	376	1	27
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	10	45	9	41
290090	Drilling machines, n.e.c., non-NC	5	265	1	3
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	1	245	1	245
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling mach., n.e.c., NC	7	428	5	274
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	81	515	11	145
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	5	71	4	44
400070	Boring machines, n.e.c., NC	1	1350	1	1350
400080	Boring machines, n.e.c., non-NC	5	575	4	488
510080	Milling machines, knee type, NC	1	28	1	28
590030	Milling machines, knee type, non-NC	4	138	0	0
610080	Milling machines, excl. knee type, n.e.c., NC	9	1536	4	109
690050	Milling machines, profile, dup., or die sinking, non-NC	5	459	4	402
690070	Milling machines, bed type, non-NC	14	2933	5	1544
690090	Milling machines, n.e.c., non-NC	122	3085	75	1191
700020	Threading or tapping machines, n.e.c., NC	2	83	2	83
700080	Threading or tapping machines, n.e.c., non-NC	41	2903	28	478
8460110080	Flat surface grinding mach., NC	44	3465	17	1103
190010	Flat surface grinding mach., recip.-table type, non-NC	10	245	1	3
190050	Flat surface grinding mach., n.e.c., non-NC	15	1118	5	375
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	27	3158	22	2982
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	3	343	1	28
290030	Grinding mach., internal cylindrical, non-NC	12	557	5	195
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	86	1806	26	717
310080	Sharpening machines (tool & cutter grinding), NC	2	63	1	35
390050	Sharpening machines (tool & cutter grinding), non-NC	115	1547	89	1028
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	99	1116	49	639
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	17	1316	7	268
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	94	2046	71	1572
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	37	697	15	230
200010	Shaping or slotting machines, NC	0	0	0	0
200090	Shaping or slotting machines, non-NC	6	104	5	99
300060	Broaching machines, NC	0	0	0	0
300080	Broaching machines, non-NC	1	28	1	28
401050	Gear hobbers	17	2065	1	20
401070	Gear shapers	8	280	1	26
401090	Gear cutting machines, n.e.c.	21	3889	9	1372
405060	Gear grinding or finishing machines	11	1301	10	669
500050	Sawing or cutting-off machines, NC	3	451	2	331
500090	Sawing or cutting-off machines, non-NC	104	1658	68	911
9000000001	Metal cutting machine tools, n.e.c.	36	309	20	152
9800000001	Used or rebuilt machine tools	1555	8310	485	4113
9900000001	Machine tools valued at less than $2,500	4320	2560	2334	1395
	Cutting Total			3619	35839
	Y-T-D Cutting Total	7415	72943		
	NC Y-T-D Cutting Total*	191	26206		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 89

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	2	17	3	3	2	4	0	0	18	25
8457100015	0	0	0	0	0	0	0	0	1	115
100025	0	0	0	0	0	0	0	0	2	441
100035	0	0	0	0	0	0	0	0	1	381
100045	0	0	0	0	6	656	0	0	4	330
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	2	184
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	120
190030	0	0	0	0	0	0	0	0	2	42
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	14	223
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	200
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	45
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	8	33
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	10	140
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	1	28
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	27
690050	0	0	0	0	0	0	0	0	2	154
690070	1	549	0	0	0	0	0	0	4	995
690090	0	0	0	0	0	0	40	458	15	369
700020	0	0	0	0	0	0	0	0	0	0
700080	5	89	0	0	2	147	0	0	12	70
8460110080	0	0	0	0	1	44	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	3	159
290010	0	0	0	0	0	0	0	0	1	28
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	5
310080	0	0	0	0	0	0	0	0	0	0
390050	2	27	0	0	0	0	0	0	7	65
400060	0	0	0	0	0	0	0	0	0	0
400080	1	9	0	0	14	57	3	32	3	165
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	4	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	40
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	59	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	9	73	0	0	0	0	0	0	19	156
9000000001	1	23	0	0	0	0	0	0	2	7
9800000001	2	52	0	0	0	0	6	105	148	899
9900000001	9	7	0	0	0	0	31	19	1046	403
Month Tot	32	846	3	3	26	912	81	674	1331	5847
Y-T-D Tot	63	1689	4	11	48	1561	107	1720	2227	8308
NC YTD Tot*	1	119	0	0	15	1208	1	231	26	2611

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U.S. EXPORTS
Metal Cutting Machine Tools - February 89

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	1	4	0	0	17	11
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	1	495	1	3047	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	2	635	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	158	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	2	114	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	1	9	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	4	232	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	1	1350	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	32
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	18	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	472	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	110	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	1	20	0	0	0	0	2	21	1	374
400060	0	0	0	0	0	0	0	0	0	0
400080	1	82	6	57	1	36	0	0	0	0
900060	0	0	0	0	1	56	0	0	0	0
900080	0	0	4	17	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	130	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	124	0	0	0	0
405060	0	0	0	0	0	0	0	0	9	654
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	8	0	0	0	0	0	0
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	1	5	2	17	3	60	0	0	4	45
9900000001	2	2	14	9	0	0	0	0	11	6
Month Tot	17	3468	30	3164	11	634	2	21	43	1122
Y-T-D Tot	52	5081	48	3840	50	2052	68	371	90	3291
NC YTD Tot*	22	4163	3	3268	1	56	0	0	3	757

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 89

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	55	249	0	0	0	0	4	134	3	5
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	4	155	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	1	121	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	1	3	0	0
190050	0	0	0	0	0	0	10	32	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	10	42	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	1	15	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	63	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	1	5	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	4	44	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	59	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	2	50	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	9	139	0	0	5	73	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	4	13	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	3	363	0	0	0	0	1	6	0	0
210080	10	599	0	0	0	0	1	19	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	2	405	0	0	0	0	21	187	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	1	7	0	0	2	13	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	4	0	0	3	22	0	0
900060	0	0	1	34	0	0	0	0	0	0
900080	1	3	3	16	0	0	57	1487	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	10	57	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	28	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	51
405060	0	0	0	0	0	0	1	16	0	0
500050	1	328	0	0	0	0	1	3	0	0
500090	6	48	2	15	0	0	10	202	4	84
9000000001	0	0	0	0	0	0	9	50	0	0
9800000001	2	9	45	1088	0	0	147	830	0	0
9900000001	543	351	13	9	0	0	191	160	27	16
Month Tot	625	2483	76	1392	2	13	499	3667	35	156
Y-T-D Tot	811	5803	146	6398	8	48	1817	8010	84	2096
NC YTD Tot*	15	1444	5	1072	0	0	20	1689	17	1877

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 89

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	4	6	1	30	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	92	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	1	70	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	2	110	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	588	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	5	195	0	0
290050	0	0	0	0	1	10	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	11	130	0	0	0	0
900060	0	0	0	0	0	0	0	0	5	178
900080	0	0	0	0	1	8	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	20
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	2	17	1	11	1	3	2	30	0	0
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	4	97	0	0	0	0	1	7	23	136
9900000001	97	142	27	18	0	0	11	7	0	0
Month Tot	103	255	32	35	17	862	22	420	29	334
Y-T-D Tot	177	1112	175	337	30	907	53	1641	30	488
NC YTD Tot*	0	0	0	0	3	697	3	180	5	178

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - February 89

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	4	8	0	0	0	0	7	12	3	3
8457100015	1	166	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	46
100045	0	0	0	0	0	0	0	0	0	0
200010	1	1446	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	1	190
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	7	239	0	0	0	0	0	0	1	9
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	8	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	4	74	0	0	0	0	0	0	0	0
995090	1	60	0	0	0	0	0	0	1	215
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	3	425	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	27
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	1	3
310010	0	0	0	0	0	0	1	245	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	1	42	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	3	429
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	2	249	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	46	3	87
700020	0	0	0	0	0	0	1	13	0	0
700080	0	0	0	0	0	0	1	82	4	77
8460110080	14	948	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	3
190050	0	0	0	0	0	0	0	0	1	5
210080	1	318	0	0	0	0	1	671	4	157
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	1	35	0	0	0	0
390050	0	0	0	0	0	0	13	76	60	425
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	8	4	38	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	8	0	0	0	0	1	20	2	9
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	3	23	0	0	1	20
200010	0	0	0	0	0	0	0	0	0	0
200090	1	16	0	0	1	9	1	31	1	3
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	5	470	1	667	0	0	0	0	1	26
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	6	215	0	0	0	0	1	4	3	45
9000000001	1	20	0	0	4	32	0	0	3	21
9800000001	11	38	0	0	12	6	32	95	42	625
9900000001	103	99	0	0	8	3	89	44	112	100
Month Tot	162	4133	1	667	31	157	159	2051	250	2524
Y-T-D Tot	341	5639	2	670	160	3716	358	2792	466	5360
NC YTD Tot*	27	3844	0	0	3	202	8	1552	16	1105

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 89

RELEASED: July 19, 1989

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	844	8806	813	4572
8462100030	Headers and upsetters, including cold headers	25	1401	7	664
100050	Forging or die stamping machines, and hammers, n.e.c.	342	17241	124	4337
210080	Bending, folding, straight. or flat. mach., incl presses, NC	95	5880	49	3159
290030	Press brakes, non-NC	89	2556	43	910
290040	Bending rolls, non-NC	32	515	22	336
290050	Bending, folding, straight., or flat., n.e.c., non-NC	161	7089	80	3268
310080	Shearing machines, NC	11	907	4	241
390050	Shearing machines, non-NC	152	2653	84	1201
410080	Punching or notching mach., incl. comb. punch & shear, NC	55	6305	26	3184
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	96	2411	39	597
910060	Hydraulic presses, NC	11	310	7	244
910090	Hydraulic presses, non-NC	68	6430	23	3451
990030	Presses, n.e.c., NC	7	185	6	55
990040	Presses, mechanical, non-NC	17	19696	7	18315
990060	Presses, n.e.c., non-NC	325	10751	146	3920
8463100080	Draw benches for bars, tubes, profiles, wire or the like	0	0	0	0
200080	Thread rolling machines	8	221	5	72
300080	Machines for working wire	36	1876	11	318
900080	Metal forming machine tools, not elsewhere classified	180	5166	110	2384
9800000002	Used or rebuilt machine tools	130	2261	72	1503
9900000002	Machine tools valued at less than $2,500	4529	1113	2550	563

	TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
Forming Total			4228	53292
Y-T-D Forming Total	7213	103774		
NC Y-T-D Forming Total	179	13586		
Cutting and Forming Totals:				
Monthly Total			32544	175500
Y-T-D Total	77237	372142		
NC Y-T-D Total*	1960	177560		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	89394	0	45986
2710003070	Quenching or cutting oils	0	4	0	4
8428900010	Industrial robots for lifting, handling, loading or unload	160	3431	43	2310
8456101010	Laser, light or photon beam for working metal, NC	15	2148	10	1374
101020	Laser, light or photon beam for working metal, non-NC	2	496	0	0
105000	Laser, light or photon beam for other materials	634	699	600	124
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	2	9	1	3
205000	Ultrasonic processes for working other materials	111	11	11	10
8477106010	Injection molding mach., for rubber or oth. thermosetting	112	10996	97	8625
106050	Injection molding mach., for thermoplastics	405	36730	196	19008
200010	Extruders for rubber or other thermosetting materials	33	6112	17	4317
200050	Extruders for processing thermoplastics	118	7666	55	5298
300000	Blow molding machines	35	5069	17	2169
400000	Vacuum-molding and other thermoforming machines	47	3495	30	2538
8479899040	Industrial robots, n.e.c.	6164	27935	5680	21316
900040	Industrial robot parts	0	0	0	0
8537100030	Numerical controls for controlling machine tools	1685	5602	1157	3057
9024100000	Machines and appliances for testing metals	0	1843	0	1280
9031100000	Machines for balancing mechanical parts	0	1539	0	222
300000	Profile projectors	0	930	0	511
9032810020	Industrial process control instr., hydraulic	24155	318	9164	79
810060	Industrial process control instr., pneumatic	1660	191	736	81

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
* "NC Y-T-D Total" does not include code 9000000001.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	751	136	0	0	1	204
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	17	743	0	0	0	0
210080	0	0	0	0	4	262	0	0	0	0
290030	21	369	0	0	11	327	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	18	587	0	0	1	32
310080	0	0	0	0	0	0	2	41	1	6
390050	8	116	0	0	5	104	0	0	0	0
410080	0	0	0	0	0	0	2	77	0	0
490050	0	0	0	0	1	36	0	0	0	0
910060	0	0	0	0	0	0	0	0	9	59
910090	0	0	0	0	9	385	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	53	1309	0	0	23	1612	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	10	109
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	9	0	0	0	0
9800000002	0	0	0	0	10	101	2	59	20	88
9900000002	0	0	6	10	67	21	4	62	1	25
							0	0	1	2
Month Tot	82	1795	6	10	917	4323	10	239	44	525
Y-T-D Tot	112	2889	7	11	1148	9746	20	439	96	1250
NC YTD Tot	1	18	0	0	4	262	4	56	1	228
C&F Month	87	2547	67	567	1174	5982	99	3946	197	2909
C&F Y-T-D	159	4604	200	1416	1609	13087	428	9152	1832	7951
C&F NC YTD	5	142	4	239	10	498	21	780	14	2914

Other Manufacturing Technology

1000000000	0	1210	0	26	0	4002	0	1586	0	741
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	0	0	9	109	0	0	0	0
8456101010	0	0	0	0	0	0	2	268	1	346
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	9	1197	0	0	1	135
106050	0	0	0	0	29	3704	1	187	15	1283
200010	0	0	1	2	2	8	0	0	0	0
200050	0	0	0	0	7	90	0	0	6	1089
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	3	10	0	0	0	0
8479899040	0	0	0	0	68	927	0	0	0	0
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	2	7	0	0	0	0
9024100000	0	0	0	0	0	11	0	0	141	110
9031100000	0	0	0	0	0	25	0	0	0	2
300000	0	0	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	0	7
810060	0	0	0	0	0	0	0	0	0	0
							104	6	280	26

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	56	3834	0	0	0	0	0	0	0	0
8462100030	5	642	0	0	0	0	0	0	0	0
100050	35	3424	0	0	0	0	0	0	0	0
210080	25	2404	0	0	0	0	0	0	0	0
290030	5	165	0	0	5	42	0	0	0	0
290040	7	87	0	0	0	0	0	0	13	213
290050	20	1090	0	0	0	0	0	0	9	113
310080	0	0	0	0	0	0	0	0	0	0
390050	10	360	2	33	11	106	0	0	1	12
410080	8	1535	0	0	0	0	0	0	1	24
490050	7	122	0	0	0	0	0	0	1	12
910060	7	244	0	0	0	0	0	0	0	8
910090	6	1343	0	0	0	0	0	0	1	16
990030	1	14	0	0	0	0	0	0	0	0
990040	7	18315	0	0	0	0	0	0	0	0
990060	52	581	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	1	14	0	0	0	0	2	31	0	0
300080	1	4	0	0	0	0	0	0	0	0
900080	66	873	0	0	0	0	1	11	1	3
9800000002	19	330	0	0	0	0	1	8	0	9
9900000002	95	136	0	0	0	0	0	0	3	4
Month Tot	433	35518	2	33	16	148	4	50	30	501
Y-T-D Tot	1031	62560	2	33	23	385	68	94	67	1587
NC YTD Tot	84	7551	0	0	0	0	0	0	1	74
C&F Month	3881	103135	274	1189	65	831	94	1292	222	858
C&F Y-T-D	6559	205946	321	2300	128	2167	313	2892	390	2319
C&F NC YTD	1309	130303	15	875	15	708	35	928	2	47

Other Manufacturing Technology

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	13811	0	234	0	317	0	531	0	1194
2710003070	0	3	0	0	0	0	0	1	0	0
8428900010	20	624	0	0	0	0	0	0	10	691
8456101010	6	754	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	10	6	0	0	0	0	0	0	0	0
8477106010	54	5309	0	0	1	125	0	0	0	0
106050	55	8660	4	141	0	0	0	0	0	0
200010	3	2785	0	0	0	0	0	0	1	16
200050	1	511	0	0	0	0	0	0	1	77
300000	2	553	0	0	0	0	0	0	0	0
400000	11	216	0	0	0	0	0	0	0	0
8479899040	1928	18319	0	0	0	0	0	0	4	480
900040	0	0	0	0	0	0	0	0	0	0
8537100030	297	2827	0	0	0	0	0	0	0	0
9024100000	0	342	0	0	0	0	0	0	0	0
9031100000	0	10	0	0	0	0	0	0	0	12
300000	0	220	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	0	0
810060	0	0	0	0	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	66	1	37	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	4	361	0	0	0	0	0	0
100045	0	0	0	0	0	0	1	40	0	0
200010	0	0	1	1030	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	1	220
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	1	75	0	0
190030	0	0	0	0	0	0	3	61	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	10	1	4	0	0	8	42	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	1	81	0	0	0	0	1	32	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	3	79	0	0
8459100000	0	0	0	0	0	0	3	951	0	0
210080	0	0	0	0	0	0	1	27	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	3	609	0	0
310010	0	0	1	643	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	1	4	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	759	0	0	5	89	0	0
510080	2	547	0	0	0	0	1	71	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	1	800	0	0	0	0	0	0
690050	0	0	0	0	0	0	1	5	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	2	69	0	0	17	108	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	3	9	0	0	0	0	8	92	0	0
8460110080	1	22	0	0	0	0	1	544	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	287	11	374	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	2	52	0	0	0	0	0	0	0	0
290050	20	668	1	569	0	0	7	142	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	7	41	1	4	5	30	24	154	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	5	27	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	6	1	9	0	0	18	201	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	109	1	65	0	0	10	99	1	5
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	720	0	0	0	0	0	0
401050	0	0	0	0	0	0	2	412	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	24	412	2	49	0	0	27	362	21	102
9000000001	0	0	1	18	0	0	7	168	1	77
9800000001	8	146	12	139	0	0	167	1091	15	11
9900000001	261	149	32	21	7	4	270	186	82	50
Month Tot	335	2606	75	5670	12	34	595	5673	121	465
Y-T-D Tot	1146	8408	221	12068	20	82	2412	13683	205	2560
NC YTD Tot*	20	2381	23	4280	0	0	26	2478	17	1877

Please see notes on last page of the metal forming section.

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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	53	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	1	37	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	5	433	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	344	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	38	6	108	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	2	11	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	6	87	12	167	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	4	0	0	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	22	0	0	2	41	0	0
9000000001	0	0	1	677	0	0	0	0	0	0
9800000001	2	19	0	0	0	0	5	86	0	0
9900000001	229	330	0	0	2	3	19	12	11	16
Month Tot	235	772	10	861	15	535	38	306	11	16
Y-T-D Tot	412	1884	185	1198	45	1441	91	1948	41	504
NC YTD Tot*	1	344	1	677	8	1130	3	180	5	178

Please see notes on last page of the metal forming section.

U.S. EXPORTS
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	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	200
8457100015	0	0	0	0	0	0	1	150	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	3	179	0	0	0	0	0	0	0	0
200010	1	207	0	0	0	0	0	0	0	0
200090	1	86	0	0	0	0	1	588	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	5	313	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	7	142	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	2	142	0	0	0	0	0	0	0	0
190090	3	129	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	5	131
995090	13	242	0	0	0	0	2	221	1	102
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	81
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	1	18	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	366
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	2	40	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	2	158
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	1	3	0	0	1	9	1	11	8	22
8460110080	0	0	0	0	0	0	0	0	2	66
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	2	419	2	189
210080	1	304	0	0	0	0	0	0	6	181
290010	0	0	0	0	0	0	2	55	0	0
290030	1	30	0	0	0	0	3	105	0	0
290050	4	153	0	0	0	0	1	9	7	343
310080	0	0	0	0	0	0	0	0	2	52
390050	0	0	0	0	1	48	9	62	38	249
400060	0	0	0	0	0	0	0	0	0	0
400080	2	9	0	0	0	0	18	235	2	30
900060	0	0	0	0	0	0	0	0	0	0
900080	7	51	0	0	0	0	5	42	1	12
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	39	1	10	2	6
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	1	23	1	411
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	1	288
500050	1	229	0	0	0	0	0	0	0	0
500090	4	221	0	0	1	4	4	52	4	38
9000000001	0	0	0	0	0	0	2	26	2	16
9800000001	67	245	0	0	13	21	13	64	15	292
9900000001	166	130	0	0	0	0	112	109	253	223
Month Tot	**289**	**2813**	**0**	**0**	**20**	**178**	**178**	**2181**	**358**	**3454**
Y-T-D Tot	**630**	**8452**	**2**	**670**	**180**	**3894**	**536**	**4972**	**824**	**8814**
NC YTD Tot*	**38**	**5075**	**0**	**0**	**3**	**202**	**9**	**1702**	**30**	**2009**

Please see notes on last page of the metal forming section.

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RELEASED: July 19, 1989

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	143	2580	52	769
8462100030	Headers and upsetters, including cold headers	9	1775	5	595
100050	Forging or die stamping machines, and hammers, n.e.c.	184	6922	68	1628
210080	Bending, folding, straight. or flat. mach., incl presses, NC	84	4918	22	2060
290030	Press brakes, non-NC	8	488	4	183
290040	Bending rolls, non-NC	27	901	11	300
290050	Bending, folding, straight., or flat., n.e.c., non-NC	163	4757	57	2012
310080	Shearing machines, NC	17	2133	12	1602
390050	Shearing machines, non-NC	46	1022	7	176
410080	Punching or notching mach., incl. comb. punch & shear, NC	40	7254	20	2100
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	197	5333	71	1774
910060	Hydraulic presses, NC	27	961	6	253
910090	Hydraulic presses, non-NC	111	4353	44	1416
990030	Presses, n.e.c., NC	10	2031	2	102
990040	Presses, mechanical, non-nc	76	3099	14	434
990060	Presses, n.e.c., non-NC	143	6760	53	3458
8463100080	Draw benches for bars, tubes, profiles, wire or the like	113	2355	41	988
200080	Thread rolling machines	9	1745	3	70
300080	Machines for working wire	333	12293	96	2999
900080	Metal forming machine tools, n.e.c.	517	27199	335	13898
9800000002	Used or rebuilt machine Tools	1157	17135	321	6480
9900000002	Machine tools valued at less than $2,500	1260	1030	238	214

Forming Total			1482	43510
Y-T-D Forming Total	4674	117041		
NC Y-T-D Forming Total	178	17297		
Cutting and Forming Totals:				
Monthly Total			8461	84123
Y-T-D Total	19068	230598		
NC Y-T-D Total*	522	58372		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	152034	0	60448
2710003070	Quenching or cutting oils	0	2634	0	705
8428900010	Industrial robots for lifting, handling, loading or unload	368	3987	136	1248
8456100000	Laser, light or photon beam for working any material	1562	8915	59	3115
200000	Ultrasonic process for working any material	67	146	4	106
8477106010	Injection molding mach., for rubber or oth. thermosetting	54	5085	34	3473
106050	Injection molding mach., for thermoplastics	99	14618	25	4148
200010	Extruders for rubber or other thermosetting materials	74	2782	32	1577
200050	Extruders for processing thermoplastics	292	8024	70	1900
300000	Blow molding machines	101	8486	36	4945
400000	Vacuum-molding and other thermoforming machines	387	4289	126	1253
8479899040	Industrial robots, n.e.c.	511	7147	210	3167
900040	Industrial robot parts	0	3358	0	1667
8537100030	Numerical controls for controlling machine tools	5205	8387	490	3029
9024100000	Machines and appliances for testing metals	0	22982	0	8633
9031100000	Machines for balancing mechanical parts	0	7715	0	1414
300000	Profile projectors	0	1371	0	765
9032810040	Industrial process control instr., hydraulic or pneumatic	161418	9420	82267	4312

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
*** "NC Y-T-D Total" does not include codes 8456300000 and 9000000001.**
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	4	49
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	11	1	16	3	58	0	0	2	25
210080	0	0	0	0	0	0	4	114	5	185
290030	0	0	0	0	0	0	0	0	2	76
290040	0	0	0	0	0	0	0	0	1	33
290050	0	0	0	0	0	0	0	0	16	956
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	36
410080	1	153	0	0	0	0	0	0	5	471
490050	5	78	0	0	0	0	0	0	26	279
910060	0	0	0	0	0	0	0	0	4	158
910090	1	60	0	0	0	0	0	0	9	895
990030	0	0	0	0	0	0	1	94	1	8
990040	0	0	0	0	0	0	0	0	4	94
990060	2	12	0	0	0	0	0	0	5	156
8463100080	0	0	0	0	0	0	0	0	1	6
200080	0	0	0	0	0	0	0	0	0	0
300080	1	27	0	0	0	0	0	0	10	201
900080	48	376	0	0	0	0	4	142	15	157
9800000002	0	0	0	0	1	7	7	171	83	760
9900000002	15	8	0	0	9	8	0	0	42	37
Month Tot	74	723	1	16	13	73	16	522	236	4584
Y-T-D Tot	107	2172	7	501	16	120	41	1708	624	11896
NC YTD Tot	4	491	0	0	0	0	5	208	36	4730
C&F Month	95	1374	16	429	63	1009	41	842	4451	9850
C&F YTD	191	4511	26	927	114	2617	173	3748	7066	25470
C&F NC YTD	8	757	0	0	16	1895	6	439	91	9378

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	971	0	158	0	621	0	686	0	8619
2710003070	0	16	0	0	0	27	0	0	0	136
8428900010	1	3	0	0	0	0	0	0	42	197
8456100000	3	72	0	0	0	0	0	0	5	312
200000	0	0	0	0	0	0	0	0	1	50
8477106010	0	0	0	0	0	0	0	0	1	48
106050	1	50	0	0	0	0	0	0	4	2080
200010	0	0	0	0	0	0	0	0	12	325
200050	0	0	0	0	0	0	0	0	27	745
300000	0	0	0	0	0	0	0	0	5	1543
400000	5	43	0	0	0	0	0	0	23	6
8479899040	1	18	0	0	0	0	0	0	37	583
900040	0	2	0	0	0	0	0	0	0	517
8537100030	6	44	2	8	1	15	0	0	42	191
9024100000	0	113	0	15	0	6	0	38	0	788
9031100000	0	0	0	0	0	0	0	53	0	572
300000	0	0	0	0	0	0	0	0	0	3
9032810040	1659	106	414	21	1664	143	163	8	30642	890

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	10	3	20	5	63	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	4	312	2	37	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	126	0	0	0	0	1	17
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
310080	2	203	0	0	0	0	0	0	0	0
490050	1	190	0	0	1	7	0	0	2	122
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	1	38
990030	0	0	0	0	0	0	0	0	0	0
990040	1	20	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	1	63
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	29	2	44	2	13	0	0	8	226
900080	0	0	0	0	7	652	0	0	1	63
9800000002	0	0	4	34	2	163	4	72	5	19
9900000002	0	0	18	12	0	0	0	0	0	0
Month Tot	6	452	34	548	19	936	4	72	19	548
Y-T-D Tot	95	3418	144	2603	35	1698	4	72	67	3263
NC YTD Tot	17	430	2	61	0	0	0	0	1	1088
C&F Month	168	4709	125	1973	97	1199	6	147	47	1993
C&F Y-T-D	309	12756	283	7868	163	4013	74	518	185	7998
C&F NC YTD	81	7526	28	4341	1	56	0	0	6	2035

Other Manufacturing Technology

1000000000	0	1016	0	1537	0	589	0	15	0	1784
2710003070	0	0	0	0	0	6	0	37	0	21
8428900010	3	34	0	0	0	0	0	0	1	29
8456100000	0	0	1	26	5	190	0	0	1	171
200000	0	0	0	0	1	25	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	0	0	1	368	0	0	0	0	2	188
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	8	192	0	0	0	0	0	0
300000	1	576	0	0	0	0	0	0	0	0
400000	10	178	6	418	1	5	0	0	0	0
8479899040	0	0	10	64	0	0	0	0	11	182
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	43	248	0	0	0	0	20	100
9024100000	0	2	0	219	0	75	0	0	0	57
9031100000	0	0	0	0	0	4	0	0	0	0
300000	0	0	0	3	0	0	0	0	0	0
9032810040	95	5	1781	103	2	9	0	0	1832	152

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	305	0	0	1	11	0	0
8462100030	1	241	0	0	0	0	2	16	0	0
100050	3	60	1	29	0	0	6	98	0	0
210080	3	671	5	1011	0	0	2	32	1	17
290030	1	103	0	0	0	0	1	4	0	0
290040	0	0	0	0	0	0	1	19	0	0
290050	4	134	0	0	1	7	14	346	1	21
310080	3	137	0	0	0	0	0	0	0	0
390050	2	26	0	0	0	0	1	17	0	0
410080	1	96	0	0	0	0	2	82	2	265
490050	1	126	0	0	0	0	7	78	0	0
910060	0	0	0	0	0	0	1	46	0	0
910090	1	102	1	20	0	0	29	242	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	4	194	0	0	0	0	1	28	0	0
990060	8	461	2	560	0	0	17	187	0	0
8463100080	38	955	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	2	32	0	0
300080	6	256	0	0	0	0	1	7	0	0
900080	21	750	112	4210	0	0	11	55	1	6
9800000002	2	41	32	2942	0	0	107	1070	0	0
9900000002	5	4	0	0	0	0	104	108	23	20
Month Tot	104	4358	154	9077	1	7	310	2476	28	329
Y-T-D Tot	304	16078	270	12241	6	156	796	10831	36	772
NC YTD Tot	36	2544	5	1011	0	0	14	640	5	461
C&F Month	439	6964	229	14747	13	41	905	8148	149	793
C&F Y-T-D	1450	24486	491	24309	26	238	3208	24515	241	3333
C&F NC YTD	56	4925	28	5291	0	0	40	3118	22	2338

Other Manufacturing Technology

	Japan		Korea		Malaysia		Mexico		Netherlands	
1000000000	0	5421	0	7230	0	161	0	5416	0	489
2710003070	0	16	0	6	0	3	0	16	0	13
8428900010	21	206	0	0	0	0	33	563	0	0
8456100000	18	919	0	0	0	0	0	0	0	0
200000	0	0	0	0	0	0	1	18	0	0
8477106010	0	0	0	0	8	700	14	1554	0	0
106050	1	253	0	0	0	0	5	259	0	0
200010	0	0	6	148	0	0	4	856	0	0
200050	2	15	0	0	0	0	4	62	5	146
300000	0	0	7	122	0	0	14	607	0	0
400000	39	37	0	0	0	0	6	5	0	0
8479899040	14	1019	2	10	0	0	1	3	29	172
900040	0	333	0	0	0	0	0	184	0	2
8537100030	19	181	7	36	1	5	6	27	10	65
9024100000	0	3148	0	1110	0	25	0	299	0	10
9031100000	0	36	0	189	0	4	0	220	0	0
300000	0	448	0	45	0	0	0	0	0	6
9032810040	5208	434	1315	189	2	7	7724	164	8410	477

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	1	8	1	10	0	0
8462100030	0	0	0	0	0	0	0	0	2	338
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	1	11	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	4	1280	0	0	0	0	0	0	0	0
390050	0	0	1	23	0	0	0	0	0	0
410080	4	417	0	0	0	0	2	233	0	0
490050	0	0	0	0	0	0	9	63	7	88
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	2	409	0	0
8463100080	0	0	0	0	0	0	0	0	1	15
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	1	24	0	0	0	0
900080	0	0	0	0	7	413	4	882	0	0
9800000002	4	81	1	183	0	0	5	53	5	4
9900000002	0	0	0	0	0	0	0	0	0	0
Month Tot	12	1777	2	206	9	445	24	1661	15	444
Y-T-D Tot	83	5517	38	1059	25	778	68	2867	20	514
NC YTD Tot	13	2349	0	0	4	222	4	381	0	0
C&F Month	247	2549	12	1067	24	980	62	1967	26	460
C&F Y-T-D	495	7401	223	2257	70	2219	159	4815	61	1018
C&F NC YTD	14	2693	1	677	12	1353	7	561	5	178

Other Manufacturing Technology

1000000000	0	1216	0	387	0	750	0	1680	0	218
2710003070	0	2	0	0	0	3	0	201	0	0
8428900010	0	0	0	0	1	13	0	0	0	0
8456100000	1	18	0	0	0	0	2	804	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	2	132	3	223	0	0	0	0	0	0
200010	0	0	0	0	0	0	2	50	0	0
200050	1	8	0	0	0	0	0	0	0	0
300000	0	0	1	263	0	0	0	0	2	542
400000	0	0	0	0	16	211	0	0	0	0
8479899040	0	0	0	0	5	134	0	0	0	0
900040	0	0	0	9	0	3	0	5	0	0
8537100030	4	40	0	0	22	96	11	62	0	0
9024100000	0	283	0	467	0	57	0	88	0	8
9031100000	0	110	0	0	0	11	0	11	0	0
300000	0	0	0	0	0	18	0	99	0	0
9032810040	1153	89	2958	153	57	12	1336	79	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 89

Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	9	27	0	0	22	238	2	5	2	23
8462100030	0	0	0	0	0	0	0	0	0	0
100050	28	562	0	0	0	0	2	29	15	391
210080	0	0	0	0	0	0	0	0	2	30
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	8	238
290050	7	65	0	0	1	20	2	152	7	168
310080	5	185	0	0	0	0	0	0	0	0
390050	1	12	0	0	0	0	1	63	0	0
410080	1	180	0	0	0	0	0	0	0	0
490050	3	75	0	0	0	0	3	50	6	618
910060	0	0	1	49	0	0	0	0	0	0
910090	1	8	0	0	0	0	0	0	1	50
990030	0	0	0	0	0	0	0	0	0	0
990040	4	98	0	0	0	0	0	0	0	0
990060	6	70	0	0	3	71	7	1469	0	0
8463100080	0	0	0	0	1	12	0	0	0	0
200080	0	0	0	0	0	0	0	0	1	38
300080	48	1824	0	0	6	104	4	107	6	136
900080	23	3562	0	0	2	49	31	827	48	1754
9800000002	2	356	0	0	5	5	5	202	47	318
9900000002	15	13	0	0	0	0	0	0	7	5
Month Tot	153	7036	1	49	40	498	57	2904	150	3769
Y-T-D Tot	376	16188	2	108	86	3950	142	6566	1282	11964
NC YTD Tot	16	1070	2	108	1	19	1	71	12	1412
C&F Month	442	9849	1	49	60	677	235	5085	508	7224
C&F Y-T-D	1006	24641	4	778	266	7844	678	11538	2106	20778
C&F NC YTD	54	6146	2	108	4	221	10	1773	42	3421

Other Manufacturing Technology

1000000000	0	7802	0	48	0	693	0	4791	0	5
2710003070	0	6	0	0	0	0	0	14	0	185
8428900010	0	0	0	0	0	0	34	204	0	0
8456100000	13	282	0	0	0	0	5	233	5	88
200000	1	13	0	0	0	0	0	0	0	0
8477106010	1	54	0	0	0	0	1	650	9	466
106050	2	223	0	0	2	225	2	147	0	0
200010	0	0	0	0	0	0	4	71	4	128
200050	7	60	0	0	2	258	4	180	10	233
300000	1	24	0	0	0	0	4	759	1	508
400000	12	204	0	0	0	0	3	28	5	118
8479899040	26	243	0	0	0	0	72	728	2	10
900040	0	510	0	0	0	3	0	80	0	20
8537100030	151	1196	0	0	0	0	103	438	42	277
9024100000	0	501	0	0	0	129	0	740	0	455
9031100000	0	56	0	0	0	3	0	8	0	137
300000	0	62	0	0	0	0	0	66	0	17
9032810040	5892	426	0	0	117	112	3849	272	5994	459

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	0	0	0	0	0	0
East Germany	0	0	0	0	0	0
Finland	2	6	9	167	11	173
Greece	0	0	2	49	2	49
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	9	36	9	242	18	278
Luxembourg	0	0	0	0	0	0
Norway	2	6	0	0	2	6
Poland	30	194	0	0	30	194
Portugal	8	48	0	0	8	48
Romania	0	0	0	0	0	0
Sweden	20	64	5	763	25	827
Turkey	2	436	0	0	2	436
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	0	0	0	0
TOTAL	870	11864	342	13374	1212	25238
NORTH AND CENTRAL AMERICA						
Bahamas	23	20	0	0	23	20
Barbados	1	3	0	0	1	3
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	2	158	0	0	2	158
Dominican Rep	1	4	7	127	8	131
El Salvador	0	0	0	0	0	0
Guatemala	6	33	0	0	6	33
Haiti	0	0	0	0	0	0
Honduras	0	0	0	0	0	0
Jamaica	4	2	0	0	4	2
Panama	0	0	0	0	0	0
Trinidad	0	0	1	2	1	2
Oth N & C Am.	0	0	16	172	16	172
TOTAL	4847	11158	570	7361	5417	18520
SOUTH AMERICA						
Argentina	0	0	1	32	1	32
Bolivia	0	0	0	0	0	0
Chile	1	366	6	46	7	412
Colombia	22	339	20	43	42	383
Ecuador	0	0	2	30	2	30
Paraguay	2	6	0	0	2	6
Peru	1	5	0	0	1	5
Uruguay	1	3	0	0	1	3
Oth South Am.	0	0	0	0	0	0
TOTAL	72	1217	85	1171	157	2388
OCEANIA						
New Zealand	5	78	0	0	5	78
Oth Oceania	0	0	0	0	0	0
TOTAL	26	728	74	723	100	1451

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	110	899	21	372	131	1271
Iran	0	0	0	0	0	0
Iraq	6	181	1	50	7	232
Israel	5	7	3	588	8	595
Jordan	0	0	2	60	2	60
Kuwait	0	0	0	0	0	0
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	6	9	0	0	6	9
Oman	0	0	0	0	0	0
Pakistan	0	0	16	398	16	398
Philippines	58	107	14	319	72	426
Qatar	0	0	0	0	0	0
Saudi Arabia	21	13	3	58	24	71
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	0	0	0	0	0	0
Vietnam	0	0	0	0	0	0
Oth Asia	6	6	11	229	17	235
TOTAL	1160	15221	410	20859	1570	36080
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	0	0	0	0	0	0
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	2	418	0	0	2	418
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	1	21	1	21
Zaire	1	2	0	0	1	2
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	1	4	0	0	1	4
TOTAL	4	425	1	21	5	446

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include codes 8456300000 and 9000000001.

U.S. IMPORTS
Metal Cutting Machine Tools - March 89

RELEASED: July 19, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC	189	16798	76	7416
301030	Traveling wire electro-discharge machines, non-NC	51	4058	24	1934
301050	Electro-discharge machines, n.e.c., NC	52	2795	31	1429
301070	Electro-discharge machines, n.e.c., non-NC	61	2529	19	522
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	529	44856	182	12957
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	49	5567	13	1571
100035	Horiz. mach. ctrs., ATC	125	29022	40	12292
100045	Mach. ctrs., n.e.c.	80	8730	22	1232
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	3	261	0	0
300010	Multi-station transfer machines, NC	3	1233	0	0
300090	Multi-station transfer machines, non-NC	40	5162	6	3338
8458110010	Horiz. lathes, multiple spindle, NC	60	10900	23	4598
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	812	62959	292	24006
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	142	20005	41	6628
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	37	3615	8	726
190030	Horiz. engine or toolroom lathes, non-NC	703	7126	226	2940
190050	Automatic bar and/or chucking mach., single spindle, non-NC	36	974	8	71
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	20	1511	6	887
190090	Horiz. lathes, n.e.c., non-NC	340	4522	103	1419
911060	Vertical turret lathes, multiple spindle, NC	5	780	2	263
911080	Vertical turret lathes, n.e.c., NC	1	58	0	0
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	2	682	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	20	1715	3	162
991050	Vertical turret lathes, non-NC	10	1283	2	143
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	202	4946	54	1417
8459100000	Way-type unit head machines	2	170	1	37
210080	Other drilling machines, NC	99	8718	28	5036
290040	Drilling machines, multiple spindle, non-NC	15	113	10	80
290050	Drilling machines, radial, non-NC	112	606	28	171
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	35	166	19	80
290090	Drilling machines, n.e.c., non-NC	182	14446	77	1516
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	2	616	1	386
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	64	7799	24	1665
310070	Boring-milling mach., n.e.c., NC	25	1107	9	572
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	4	213	1	15
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	53	3221	5	79
400040	Boring machines, vertical, NC	10	5404	3	4342
400050	Boring machines, vertical, non-NC	16	97	15	80
400070	Boring machines, n.e.c., NC	2	1515	1	1379
400080	Boring machines, n.e.c., non-NC	76	2510	30	847
510080	Milling machines, knee type, NC	151	5354	49	3451
590030	Milling machines, knee type, non-NC	802	8767	322	1993
610080	Milling machines, excl. knee type, n.e.c., NC	56	14824	26	9226
690050	Milling machines, profile, dup., or die sinking, non-NC	3	386	3	386
690070	Milling machines, bed type, non-NC	15	1411	11	873
690090	Milling machines, n.e.c., non-NC	134	4566	24	1164
700020	Threading or tapping machines, n.e.c., NC	59	2947	42	1631
700080	Threading or tapping machines, n.e.c., non-NC	94	3774	52	2166
8460110080	Flat surface grinding mach., NC	39	2520	5	190
190010	Flat surface grinding mach., recip.-table type, non-NC	201	2621	94	1000
190050	Flat surface grinding mach., n.e.c., non-NC	471	4433	126	1065
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	58	10608	36	7923
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	140	2779	39	1114
290030	Grinding mach., internal cylindrical, non-NC	28	2979	10	689
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	315	13523	120	7908
310080	Sharpening machines (tool & cutter grinding), NC	58	793	20	254
390050	Sharpening machines (tool & cutter grinding), non-NC	142	2520	56	758
400060	Honing or lapping machines, NC	17	5010	9	4373
400080	Honing or lapping machines, non-NC	36	1081	16	911
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	18	1301	14	1150
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	263	6755	75	1747
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	1	54	0	0
200010	Shaping or slotting machines, NC	23	1383	21	1020
200090	Shaping or slotting machines, non-NC	11	127	11	127
300060	Broaching machines, NC	1	125	1	125
300080	Broaching machines, non-NC	37	3487	34	3110
401050	Gear hobbers	21	4021	10	1325
401070	Gear shapers	3	433	1	123
401090	Gear cutting machines, n.e.c.	65	66	51	37
405060	Gear grinding or finishing machines	47	3742	5	196
500050	Sawing or cutting-off machines, NC	30	557	15	320
500090	Sawing or cutting-off machines, non-NC	438	5301	173	2176
9000000001	Metal cutting machine tools, n.e.c.	219	5323	101	2052
9800000001	Used or rebuilt machine tools	1553	8413	760	2378
9900000001	Machine tools valued at less than $2,500	112984	19680	49013	6889
	Cutting Total			52778	172088
	Y-T-D Cutting Total	122802	440456		
	NC Y-T-D Cutting Total*	2818	280296		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - March 89

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	0	0	0	0	0	0	0	0	0	0
301030	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	1	2	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	2	230
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	2	217	0	0
110050	0	0	0	0	0	0	2	247	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	28	151	0	0	0	0	1	7
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	81	437	0	0	0	0	4	93
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	1	95	2	142
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	22	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	2	41
310070	0	0	0	0	0	0	0	0	1	338
390040	0	0	0	0	0	0	0	0	1	15
390050	0	0	0	0	4	14	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	3	37
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	6	54	0	0	4	77
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	1	216	0	0	0	0
690050	0	0	0	0	0	0	0	0	1	4
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	17	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	3	155	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	10	143
190050	0	0	0	0	1	4	0	0	1	57
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	1	105	1	55
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	35	602	2	48	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	7	19	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	6	120
900080	0	0	1	5	2	15	1	45	1	11
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	3	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	5	50	33
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	29	623	0	0	3	19
9000000001	0	0	0	0	0	0	21	383	0	0
9800000001	2	195	0	0	32	169	4	23	0	0
9900000001	0	0	0	0	41	36	101	61	5244	893
Month Tot	2	195	113	614	161	1774	139	1384	5337	2314
Y-T-D Tot	49	1910	306	2019	522	5115	547	10097	7073	9015
NC YTD Tot*	4	124	4	239	7	452	21	1188	24	3414

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - March 89

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	69	6609	0	0	0	0	0	0	0	0
301030	10	686	0	0	0	0	1	24	0	0
301050	25	1252	0	0	0	0	0	0	0	0
301070	1	53	0	0	0	0	1	23	0	0
8457100015	115	10597	3	137	2	273	0	0	0	0
100025	6	1164	0	0	0	0	0	0	0	0
100035	37	11934	2	103	0	0	0	0	0	0
100045	4	280	3	130	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	5	3130	0	0	0	0	0	0	0	0
8458110010	19	4012	0	0	0	0	0	0	0	0
110030	277	23151	8	399	0	0	0	0	0	0
110050	38	6176	0	0	0	0	0	0	0	0
110090	5	438	0	0	0	0	0	0	0	0
190030	9	715	21	208	16	147	1	169	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	1	180	1	83	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	3	162	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	2	27	18	354	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	28	5036	0	0	0	0	0	0	0	0
290040	10	80	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	5	2	11
290070	1	9	0	0	0	0	0	0	2	4
290090	48	1110	0	0	0	0	18	54	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	1	273	0	0	0	0	0	0	0	0
310070	2	75	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	2	4303	0	0	1	40	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	1	1379	0	0	0	0	0	0	0	0
400080	1	25	1	30	0	0	0	0	1	4
510080	12	2298	0	0	0	0	2	172	0	0
590030	1	38	0	0	0	0	92	530	0	0
610080	9	7427	0	0	5	208	1	51	0	0
690050	2	383	0	0	0	0	0	0	0	0
690070	5	307	0	0	0	0	0	0	1	125
690090	9	636	1	17	0	0	5	147	0	0
700020	41	1624	0	0	0	0	0	0	0	0
700080	17	86	0	0	0	0	2	13	2	23
8460110080	0	0	0	0	0	0	0	0	0	0
190010	31	548	0	0	20	173	0	0	0	0
190050	8	24	0	0	0	0	0	0	1	2
210080	21	6283	0	0	0	0	0	0	0	0
290010	5	566	0	0	0	0	0	0	0	0
290030	2	429	0	0	0	0	0	0	0	0
290050	30	5778	0	0	8	62	1	69	0	0
310080	3	82	0	0	0	0	0	0	0	0
390050	4	45	0	0	0	0	0	0	0	0
400060	6	4180	0	0	0	0	0	0	0	0
400080	5	216	0	0	0	0	0	0	0	0
900060	6	715	0	0	0	0	0	0	0	0
900080	9	667	0	0	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	21	1020	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	79	0	0	1	3
300060	1	125	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	8	251	0	0	0	0	0	0	0	0
500090	21	712	0	0	0	0	0	0	0	0
9000000001	7	276	0	0	0	0	0	0	0	0
9800000001	17	606	0	0	0	0	0	0	10	34
9900000001	2691	575	157	19	1	2	18	21	84	146
Month Tot	3712	118752	215	1479	54	983	143	1280	104	355
Y-T-D Tot	9240	262139	534	3747	159	2765	388	4077	427	1087
NC YTD Tot*	1986	223778	32	1726	23	1229	38	1151	1	23

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - March 89

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	7	807	0	0	0	0	0	0	0	0
301030	8	904	4	45	0	0	1	275	0	0
301050	0	0	0	0	6	176	0	0	0	0
301070	4	199	8	166	4	79	0	0	0	0
8457100015	0	0	2	170	57	1550	3	231	0	0
100025	0	0	0	0	7	407	0	0	0	0
100035	1	255	0	0	0	0	0	0	0	0
100045	0	0	0	0	1	33	1	211	11	349
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	1	208	0	0	0	0	0	0	0	0
8458110010	0	0	1	36	0	0	3	549	0	0
110030	0	0	3	113	0	0	0	0	2	125
110050	0	0	0	0	1	205	0	0	0	0
110090	0	0	2	88	0	0	1	199	0	0
190030	0	0	62	484	40	464	0	0	48	595
190050	0	0	6	58	0	0	0	0	2	13
190070	4	540	0	0	2	348	0	0	0	0
190090	0	0	0	0	15	177	2	252	1	460
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	1	74	1	69	0	0
995090	1	5	0	0	15	203	2	55	13	536
8459100000	0	0	0	0	0	0	1	37	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	17	0	0	0	0	21	113
290070	0	0	0	0	2	7	0	0	14	58
290090	4	42	0	0	3	27	4	283	0	0
310010	0	0	0	0	1	386	0	0	0	0
310040	0	0	0	0	0	0	11	1235	10	116
310070	0	0	0	0	0	0	6	159	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	1	66	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	12	42	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	3	140	14	517	0	0
510080	0	0	10	103	19	572	6	306	0	0
590030	0	0	173	1086	50	254	0	0	6	85
610080	1	1286	9	38	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	4	17	0	0	1	425	0	0
690090	0	0	0	0	0	0	7	248	1	97
700020	0	0	0	0	0	0	0	0	1	7
700080	0	0	0	0	4	30	24	1860	0	0
8460110080	1	23	1	17	0	0	3	150	0	0
190010	0	0	33	136	0	0	0	0	0	0
190050	12	15	87	604	5	68	5	207	6	84
210080	5	633	0	0	0	0	10	1007	0	0
290010	1	163	0	0	2	14	29	212	0	0
290030	5	161	0	0	0	0	1	68	2	31
290050	9	416	5	53	10	84	17	648	3	148
310080	1	25	15	140	0	0	1	7	0	0
390050	5	122	2	12	8	45	26	399	4	116
400060	0	0	0	0	0	0	3	193	0	0
400080	0	0	0	0	8	126	3	570	0	0
900060	0	0	0	0	0	0	2	315	0	0
900080	0	0	3	17	22	405	30	503	6	79
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	8	42	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	29	2373	5	738	0	0
401050	0	0	0	0	0	0	9	1286	1	39
401070	0	0	0	0	0	0	1	123	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	1	103	0	0	0	0	0	0	4	93
500050	0	0	0	0	0	0	0	0	7	69
500090	1	19	29	122	22	70	39	509	29	101
9000000001	1	124	0	0	28	246	2	737	42	287
9800000001	9	156	640	61	17	349	17	724	12	61
9900000001	32	13	26955	3696	128	164	492	399	12769	865
Month Tot	114	6217	28075	7361	310	9077	784	15773	13015	4529
Y-T-D Tot	316	18147	77956	26462	2[illegible]80	21721	2618	56239	20287	15918
NC YTD Tot*	45	8158	152	4565	[illegible]27	10230	191	21315	104	4174

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 89

RELEASED: July 19, 1989

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	1809	9319	965	513
8462100030	Headers and upsetters, including cold headers	40	1654	15	253
100050	Forging or die stamping machines, and hammers, n.e.c.	460	19463	118	2221
210080	Bending, folding, straight. or flat. mach., incl presses, NC	133	7435	38	1555
290030	Press brakes, non-NC	132	3376	43	819
290040	Bending rolls, non-NC	40	1281	8	766
290050	Bending, folding, straight., or flat., n.e.c., non-NC	271	9588	110	2499
310080	Shearing machines, NC	14	1117	3	211
390050	Shearing machines, non-NC	179	4792	27	2139
410080	Punching or notching mach., incl. comb. punch & shear, NC	101	9698	46	3393
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	133	3531	37	1119
910060	Hydraulic presses, NC	12	361	1	51
910090	Hydraulic presses, non-NC	104	8266	36	1836
990030	Presses, n.e.c., NC	17	487	10	302
990040	Presses, mechanical, non-NC	21	19965	4	269
990060	Presses, n.e.c., non-NC	428	25307	103	14556
8463100080	Draw benches for bars, tubes, profiles, wire or the like	8	574	8	574
200080	Thread rolling machines	10	302	2	81
300080	Machines for working wire	81	5516	45	3640
900080	Metal forming machine tools, n.e.c.	249	7898	69	2732
9800000002	Used or rebuilt machine tools	223	4316	93	2055
9900000002	Machine tools valued at less than $2,500	5799	1850	1270	737
	Forming Total			3051	42322
	Y-T-D Forming Total	10264	146096		
	NC Y-T-D Forming Total	277	19098		
	Cutting and Forming Totals:				
	Monthly Total			55829	214411
	Y-T-D Total	133066	586552		
	NC Y-T-D Total*	3095	299394		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	164263	0	74869
2710003070	Quenching or cutting oils	0	10	0	6
8428900010	Industrial robots for lifting, handling, loading or unload	394	9094	234	5664
8456101010	Laser, light or photon beam for working metal, NC	23	3672	8	1524
101020	Laser, light or photon beam for working metal, non-NC	4	616	2	120
105000	Laser, light or photon beam for other materials	687	1059	53	360
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	6	19	4	10
205000	Ultrasonic processes for working other materials	112	357	1	346
8477106010	Injection molding mach., for rubber or oth. thermosetting	178	14533	66	3537
106050	Injection molding mach., for thermoplastics	615	65584	210	28854
200010	Extruders for rubber or other thermosetting materials	43	6848	10	736
200050	Extruders for processing thermoplastics	210	14555	92	6889
300000	Blow molding machines	67	12530	32	7461
400000	Vacuum-molding and other thermoforming machines	76	7548	29	4053
8479899040	Industrial robots, n.e.c.	8443	39109	2279	11174
900040	Industrial robot parts	0	0	0	0
8537100030	Numerical controls for controlling machine tools	3489	11704	1804	6102
9024100000	Machines and appliances for testing metals	0	2534	0	691
9031100000	Machines for balancing mechanical parts	0	1675	0	136
300000	Profile projectors	0	1516	0	586
9032810020	Industrial process control instr., hydraulic	37241	795	13086	476
810060	Industrial process control instr., pneumatic	13203	607	11543	416

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
* "NC Y-T-D Total" does not include code 9000000001.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 89

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	936	156	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	31	104	3	3	0	0
210080	0	0	0	0	2	152	0	0	0	0
290030	15	337	0	0	16	379	0	0	0	0
290040	0	0	0	0	2	642	0	0	2	96
290050	1	4	0	0	34	656	0	0	20	255
310080	0	0	0	0	0	0	0	0	0	0
390050	1	22	0	0	3	44	1	42	0	0
410080	0	0	0	0	0	0	2	106	1	301
490050	0	0	0	0	1	17	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	5	149
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	52	2896	7	31	4	82
8463100080	3	472	0	0	2	12	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	8	837	0	0	1	37	2	69	2	62
900080	0	0	0	0	7	223	0	0	9	42
9800000002	1	70	0	0	22	655	0	0	2	79
9900000002	0	0	0	0	5	7	14	13	130	16
Month Tot	29	1742	0	0	1114	5981	29	265	175	1081
Y-T-D Tot	141	4631	7	11	2262	15727	49	704	271	2331
NC YTD Tot	1	18	0	0	6	414	6	163	2	529
C&F Month	31	1937	113	614	1275	7755	168	1649	5512	3395
C&F Y-T-D	190	6541	313	2031	2884	20842	596	10801	7344	11346
C&F NC YTD	5	142	4	239	13	867	27	1351	26	3943

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	271	0	178	0	26380	0	5191	0	2118
2710003070	0	0	0	0	0	3	0	0	0	0
8428900010	0	0	0	0	56	851	0	0	30	270
8456101010	0	0	0	0	0	0	0	0	1	443
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	2	239	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	3	4
205000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	4	640	3	376	12	345
106050	0	0	0	0	35	3161	0	0	13	1020
200010	0	0	0	0	0	0	0	0	1	16
200050	0	0	0	0	20	324	0	0	3	1130
300000	0	0	0	0	6	286	10	3812	0	0
400000	0	0	0	0	4	10	0	0	0	0
8479899040	0	0	0	0	2	5	11	8	0	0
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	0	0	0	0	26	393
9024100000	0	0	0	0	0	4	0	4	0	131
9031100000	0	0	0	0	0	20	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	7	2	0	0	1	1
810060	0	0	0	0	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 89

Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	6	0	0	0	0	0	0	0	0
8462100030	14	245	0	0	0	0	0	0	0	0
100050	12	1110	0	0	0	0	0	0	0	0
210080	12	658	0	0	0	0	0	0	0	0
290030	2	34	0	0	0	0	9	65	0	0
290040	0	0	0	0	0	0	0	0	3	17
290050	13	929	0	0	0	0	2	5	16	219
310080	1	174	0	0	0	0	0	0	0	0
390050	1	13	0	0	0	0	0	0	0	0
410080	17	2031	0	0	0	0	0	0	0	0
490050	21	846	0	0	0	0	0	0	4	88
910060	1	51	0	0	0	0	0	0	0	0
910090	13	343	0	0	0	0	0	0	2	244
990030	0	0	0	0	0	0	0	0	0	0
990040	2	183	0	0	0	0	0	0	0	0
990060	15	10608	0	0	0	0	0	0	3	145
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	2	81	0	0
300080	26	2329	0	0	1	21	0	0	1	22
900080	31	2052	0	0	0	0	0	0	0	0
9800000002	31	270	2	5	0	0	0	0	0	0
9900000002	33	49	0	0	1	1	19	25	2	2
Month Tot	246	21929	2	5	2	22	32	177	31	738
Y-T-D Tot	1277	84489	4	38	25	407	100	271	98	2325
NC YTD Tot	115	10465	0	0	0	0	0	0	1	24
C&F Month	3958	140682	217	1484	56	1005	175	1456	135	1093
C&F Y-T-D	10517	346628	538	3785	184	3172	488	4348	525	3412
C&F NC YTD	2101	234243	32	1726	23	1229	38	1151	2	47

Other Manufacturing Technology

1000000000	0	15594	0	314	0	546	0	350	0	998
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	136	3377	0	0	0	0	0	0	4	186
8456101010	6	934	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	1	346	0	0	0	0	0	0	0	0
8477106010	10	770	0	0	2	81	0	0	0	0
106050	95	15885	0	0	2	107	2	21	0	0
200010	4	301	0	0	0	0	0	0	0	0
200050	18	2277	0	0	0	0	0	0	0	0
300000	8	1776	0	0	0	0	0	0	0	0
400000	1	12	0	0	0	0	0	0	0	0
8479899040	2187	8405	0	0	0	0	0	0	9	405
900040	0	0	0	0	0	0	0	0	0	0
8537100030	1378	5534	0	0	0	0	0	0	0	0
9024100000	0	299	0	0	0	0	0	0	0	9
9031100000	0	29	0	15	0	0	0	0	0	0
300000	0	256	0	0	0	0	0	0	0	0
9032810020	0	0	600	79	0	0	0	0	0	0
810060	17	204	6000	31	0	0	0	0	1096	170

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 89

Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	242	0	0	21	14	0	0	6	95
8462100030	0	0	1	9	0	0	0	0	0	0
100050	21	49	11	8	3	433	15	476	22	38
210080	0	0	17	242	0	0	6	387	1	116
290030	0	0	0	0	0	0	1	4	0	0
290040	0	0	0	0	1	11	0	0	0	0
290050	1	5	4	189	0	0	16	188	3	50
310080	0	0	0	0	0	0	0	0	2	36
390050	1	260	1	3	15	62	4	1693	0	0
410080	1	269	0	0	0	0	25	685	0	0
490050	0	0	2	38	2	6	7	124	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	2	222	2	24	5	564	3	255	4	34
990030	0	0	0	0	0	0	0	0	10	302
990040	1	16	1	70	0	0	0	0	0	0
990060	0	0	10	289	4	13	2	33	6	458
8463100080	0	0	0	0	0	0	1	72	2	18
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	4	264	0	0
900080	3	187	3	24	1	9	11	147	4	48
9800000002	7	518	0	0	10	240	12	200	6	19
9900000002	70	19	840	356	14	5	38	75	104	168
Month Tot	108	1788	892	1251	76	1357	145	4603	170	1383
Y=T-D Tot	208	5671	3148	2627	202	5306	534	16545	1938	5012
NC YTD Tot	9	1018	21	469	1	42	75	4234	40	1723
C&F Month	222	8005	28967	8613	886	10433	929	20376	13185	5912
C&F Y-T-D	524	23818	81104	29088	2482	27027	3152	72784	22225	20930
C&F NC YTD	54	9175	173	5034	228	10272	266	25549	144	5897

Other Manufacturing Technology

1000000000	0	3797	0	1869	0	3540	0	11055	0	168
2710003070	0	0	0	0	0	0	0	3	0	0
8428900010	0	0	0	0	1	91	2	95	5	792
8456101010	1	147	0	0	0	0	0	0	0	0
101020	0	0	0	0	2	120	0	0	0	0
105000	0	0	0	0	0	0	23	5	28	116
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	1	6
205000	0	0	0	0	0	0	0	0	0	0
8477106010	8	355	11	319	0	0	6	324	10	327
106050	2	393	6	128	2	210	41	4602	12	3328
200010	0	0	0	0	1	4	4	416	0	0
200050	2	219	2	40	16	104	31	2795	0	0
300000	0	0	0	0	0	0	8	1588	0	0
400000	0	0	0	0	4	1294	18	2731	2	6
8479899040	9	720	0	0	14	11	26	1212	21	407
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	300	1	20	1	79	169	1	4
9024100000	0	37	0	0	0	97	0	22	0	88
9031100000	0	0	0	0	0	10	0	58	0	4
300000	0	36	0	0	0	216	0	78	0	0
9032810020	613	21	0	0	543	250	2	14	11220	110
810060	0	0	4428	6	0	0	2	4	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	80	1291	2	33	82	1324
Bulgaria	0	0	0	0	0	0
Czechoslovakia	2	104	0	0	2	104
Denmark	68	205	10	69	78	273
East Germany	2	49	0	0	2	49
Finland	0	0	9	405	9	405
Hungary	0	0	0	0	0	0
Ireland	0	0	0	0	0	0
Luxembourg	0	0	0	0	0	0
Netherlands	97	506	65	535	162	1042
Norway	0	0	0	0	0	0
Poland	14	297	0	0	14	297
Portugal	16	59	2	24	18	83
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	83	468	0	0	83	468
Oth Europe	3	31	21	35	24	66
TOTAL	7798	39605	734	12850	8532	52455
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	5	20	15	113	20	133
Oth N & C Am.	0	0	0	0	0	0
TOTAL	166	1794	1129	6094	1295	7888
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	113	614	0	0	113	614
OCEANIA						
Australia	60	182	3	23	63	205
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	60	182	3	23	63	205

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	12573	989	32	89	12605	1078
Hong Kong	1	1	3	5	4	6
India	6	64	6	6	12	70
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	4	205	2	46	6	251
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	44640	129836	1185	23354	45825	153190
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	1	58	0	0	1	58
TOTAL	1	58	0	0	1	58

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include codes 8456300000 and 9000000001.

A8620-3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL

No. 98-89 August 2, 1989

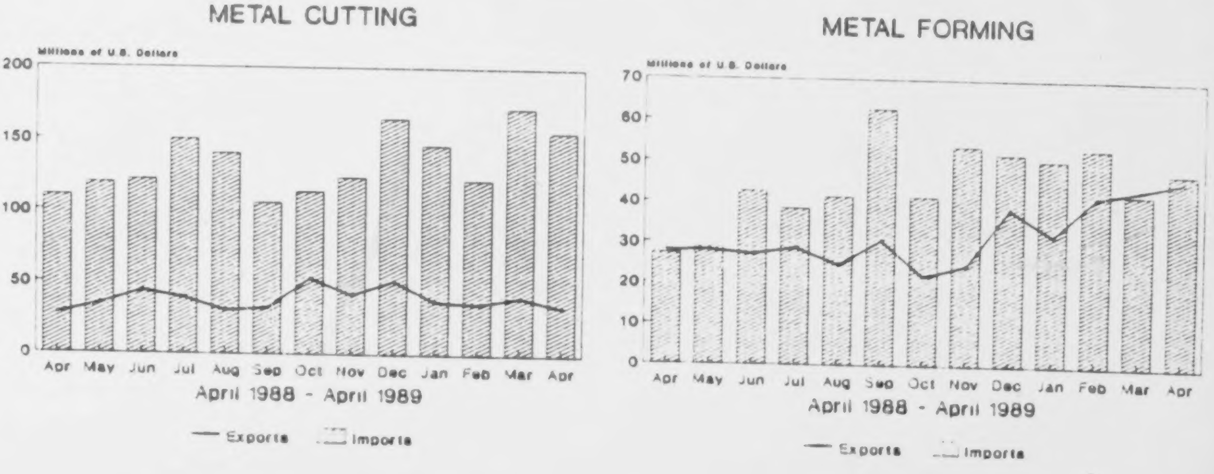
U.S. FOREIGN TRADE – APRIL 1989

Metal cutting machine tool imports and exports fell during April compared with March; metal forming imports and exports rose. The year-to-date trade balance in metal forming machines is up 44% over a year ago, although the metal cutting year-to-date balance is down.

U.S. MACHINE TOOL FOREIGN TRADE SUMMARY

	April 1989	March 1989	% Change Mar.-Apr.	Year to Date '89	Year to Date '88	% Change '88-'89
METAL CUTTING						
Imports	$156.0	$172.1	- 9.4%	$596.4	$504.6	18.2%
Exports	$ 33.9	$ 40.6	-16.5%	$147.5	$116.8	26.3%
Balance	-$122.1	-$131.5	- 7.1%	-$448.9	-$387.8	15.8%
METAL FORMING						
Imports	$ 47.6	$ 42.3	12.5%	$193.7	$154.7	25.2%
Exports	$ 45.8	$ 43.5	5.3%	$162.8	$100.0	62.8%
Balance	-$ 1.8	$ 1.2	-250.0%	-$ 30.9	-$ 54.7	-43.5%
TOTAL						
Imports	$203.6	$214.4	- 5.0%	$790.1	$659.3	19.8%
Exports	$ 79.7	$ 84.1	- 5.2%	$310.3	$216.8	43.1%
Balance	-$123.9	-$130.3	- 4.9%	-$479.8	-$442.5	8.4%

U.S. MONTHLY TRADE IN MACHINE TOOLS

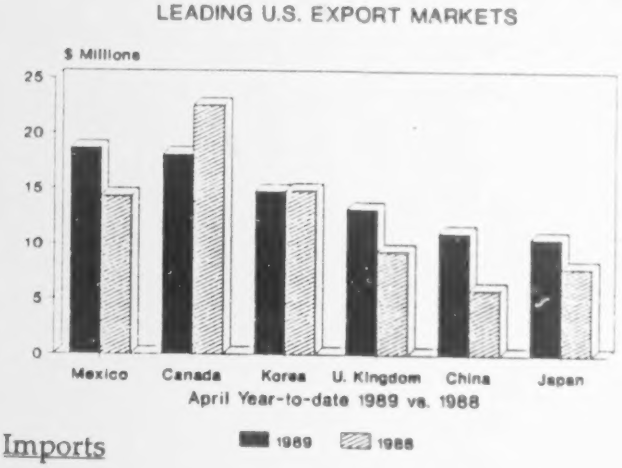


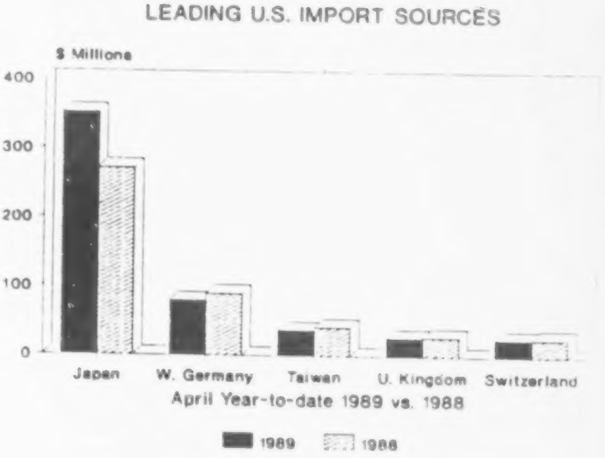
METAL CUTTING

Exports

During April, Mexico was the largest metal cutting machine tool export market at $4.9 million, followed closely by the United Kingdom at $4.7 million and Canada at $4.5 million. In percentage terms, the largest increase in exports among top markets compared to April of last year was West Germany up 98% to $2.0 million, followed by the United Kingdom (63%) and Mexico (50%). Compared with last month, exports were down to all major markets except the United Kingdom, which saw a 66% rise in shipments from the United States. Exports to China and Korea fell over 50% compared with March.

METAL CUTTING MACHINE TOOL FOREIGN TRADE





Imports

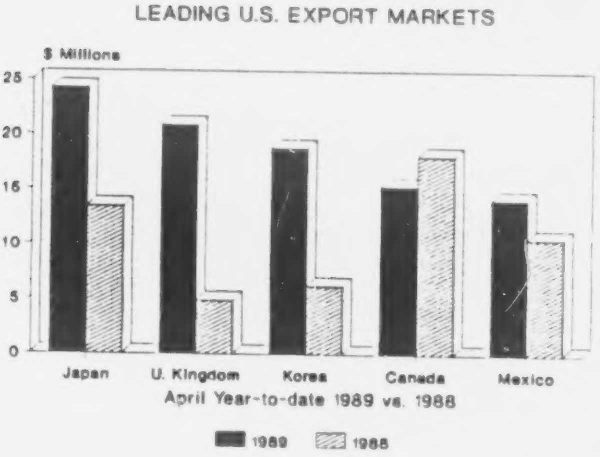
Imports of metal cutting machine tools were up 41% in April 1989 compared with April 1988, but down 9% from March 1989. Japan remained the largest single import source, accounting for 57% or $88.8 million. Imports from Japan were up 38% over April 1988 but down 25% from March 1989. Among importers to the United States, West Germany was up 42% during April over March to $22.5 million, Italy nearly tripled shipments to $6.4 million, and U.S. imports from Spain almost doubled to $2.4 million.

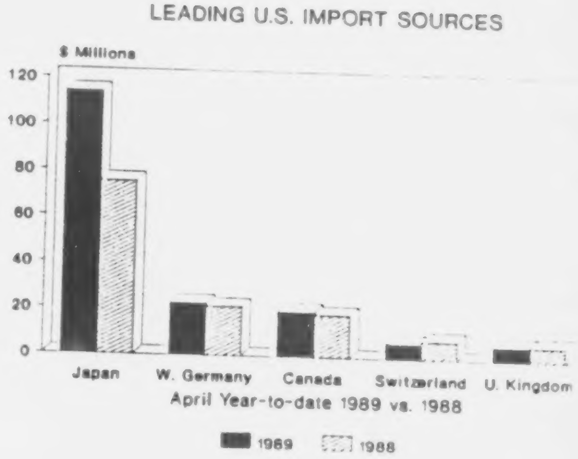
METAL FORMING

Exports

With the exception of Canada, all major metal forming machine tool export markets posted impressive gains in April 1989, compared with April 1988. Japan was the largest market with $8.1 million, a 173% increase over last year and 86% over last month. Exports to Korea more than tripled to nearly $6.5 million and exports to the United Kingdom increased five-fold to $4.6 million, compared with April 1988. However, compared with last month, U.S. exports to Korea and the United Kingdom were both down. Year-to-date export totals are 63% higher than last year, while April 1989 exports are 5% higher than March. China and Japan paced strong export growth as Japan replaced Korea as the leading export market for the month.

METAL FORMING MACHINE TOOL FOREIGN TRADE





Imports

U.S. imports of metal forming machine tools from Japan more than tripled in April 1989 compared with April 1988, and were up 34% versus March 1989, to $29.4 million, accounting for 62% of the U.S. import total. Also posting large gains compared with April 1988 were imports from West Germany and Canada, up 45% and 40%, respectively. The top five import sources accounted for 85% of total imports. Compared with March, imports from Switzerland, the United Kingdom, and Canada fell 52%, 50%, and 40% respectively; imports rose by 26% from West Germany.

Other Manufacturing Technology

Exports

U.S. exports of machine tool parts and accessories totalled $67.2 million in April 1989, up 11% from the previous month. In addition, the United States exported $4.1 million of numerical controllers for machine tools. These figures correspond to total April 1989 exports of cutting machine tools of $33.9 million and forming machine tools of $45.8 million. The top parts markets in April were Canada ($13.4 million), the United Kingdom ($10.2 million), Korea ($6.8 million), Japan ($5.8 million), and Mexico ($5.1 million).

U.S. exports of machines and appliances for testing metals amounted to $6.1 million during April, of which Japan, Korea, and West Germany accounted for 19% ($1.2 million), 16%, and 14% respectively. Exports of injection molding machines for thermoplastics totalled $4.9 million for the month; the top market was Canada with roughly 50% of the total, followed by Mexico. Of the $4.2 million in U.S. exports of extruders for processing thermoplastics, $2.5 million went to Canada and $1.4 million went to China.

Imports

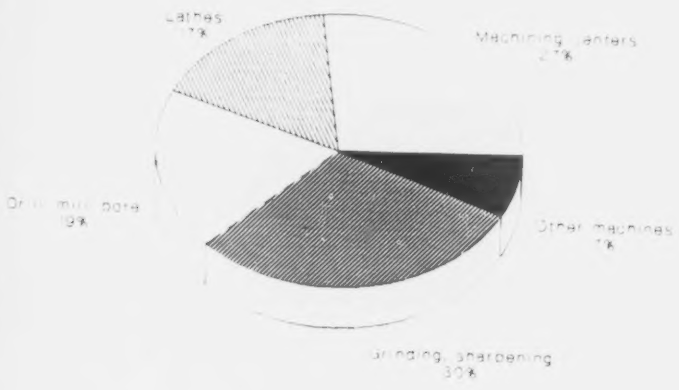
U.S. imports of machine tool parts and accessories reached $62.9 million for April, down 16% from March. U.S. imports of numerical controls fell 48% to $13.1 million for the month, while U.S. imports of other manufacturing technology, excluding parts and numerical controls, fell 8% from March to $66.9 million. Overall, Japan accounted for 39% of U.S. imports of "other manufacturing technology," during April.

Japan, West Germany, and Canada accounted for $8.9 million, $4.8 million, and $4.1 million, respectively, of the $22.0 million in injection molding machinery for thermoplastics the U.S. imported in April. Japan also supplied 84% of numerical controls for controlling machine tools; and 70% ($10.9 million) of U.S. robot imports during the month. West Germany accounted for two-thirds of U.S. imports of extruders for processing thermoplastics and 45% of blow molding machine imports during April.

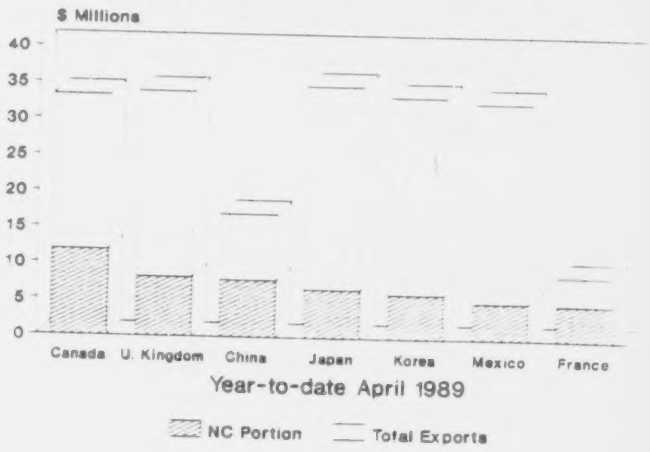
MONTHLY FOCUS

LEADING U.S. MACHINE TOOL NC EXPORTS

Through April, U.S. exports of NC machine tools reached $76.4 million, or 25% of total U.S. machine tool exports. Grinding, sharpening, and honing machines constitute the largest single category NC exports, at $15.8 million. Machining centers represent the next largest category at $13.9 million. Seventy percent of U.S. NC exports are metal cutting machines. The largest U.S. export market for NC machines is Canada. Of the top markets, China and France have the highest NC exports/total exports ratio.



U.S. Metal Cutting NC Exports
By Product Type, Year-to-date April 1989



LEADING U.S. NC EXPORT MARKETS

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

RELEASED: August 2, 1989

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	231	3807	88	1227
8462100030	Headers and upsetters, including cold headers	15	4324	6	2549
100050	Forging or die stamping machines, and hammers, n.e.c.	216	8837	32	1915
210080	Bending, folding, straight. or flat. mach., incl presses, NC	129	7579	45	2661
290030	Press brakes, non-NC	9	500	1	12
290040	Bending rolls, non-NC	30	985	3	85
290050	Bending, folding, straight., or flat., n.e.c., non-NC	221	6294	58	1537
310080	Shearing machines, NC	26	2498	9	365
390050	Shearing machines, non-NC	59	1462	13	440
410080	Punching or notching mach., incl. comb. punch & shear, NC	50	8288	10	1034
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	270	7288	73	1956
910060	Hydraulic presses, NC	32	1086	5	124
910090	Hydraulic presses, non-NC	154	7048	43	2696
990030	Presses, n.e.c., NC	24	3148	14	1118
990040	Presses, mechanical, non-NC	78	3261	2	162
990060	Presses, n.e.c., non-NC	195	8941	52	2181
8463100080	Draw benches for bars, tubes, profiles, wire or the like	132	2839	19	484
200080	Thread rolling machines	18	2182	9	437
300080	Machines for working wire	416	15545	83	3253
900080	Metal forming machine tools, n.e.c.	785	42648	268	15449
9800000002	Used or rebuilt machine tools	1435	22774	278	5639
9900000002	Machine tools valued at less than $2,500	2001	1499	741	469

	TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
Forming Total			1852	45792
Y-T-D Forming Total	6526	162833		
NC Y-T-D Forming Total	261	22599		
Cutting and Forming Totals:				
Monthly Total			6659	79686
Y-T-D Total	25727	310284		
NC Y-T-D Total*	714	76365		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	219192	0	67158
2710003070	Quenching or cutting oils	0	3523	0	888
8428900010	Industrial robots for lifting, handling, loading or unload	416	4979	48	993
8456100000	Laser, light or photon beam for working any material	1639	12339	77	3424
200000	Ultrasonic process for working any material	68	159	1	13
8477106010	Injection molding mach., for rubber or oth. thermosetting	90	8923	36	3839
106050	Injection molding mach., for thermoplastics	132	19508	33	4890
200010	Extruders for rubber or other thermosetting materials	85	3719	11	938
200050	Extruders for processing thermoplastics	382	12231	90	4207
300000	Blow molding machines	136	11128	35	2643
400000	Vacuum-molding and other thermoforming machines	600	5209	213	919
8479899040	Industrial robots, n.e.c.	799	11003	288	3857
900040	Industrial robot parts	0	4407	0	1049
8537100030	Numerical controls for controlling machine tools	5944	12527	739	4140
9024100000	Machines and appliances for testing metals	0	29071	0	6089
9031100000	Machines for balancing mechanical parts	0	9518	0	1802
300000	Profile projectors	0	3409	0	2038
9032810040	Industrial process control instr., hydraulic or pneumatic	209329	12697	47911	3277

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include codes 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	6	0	0	0	0	13	137
8462100030	0	0	0	0	0	0	0	0	1	131
100050	1	6	1	11	0	0	0	0	3	53
210080	3	112	0	0	0	0	0	0	6	100
290030	0	0	0	0	0	0	0	0	1	12
290040	0	0	0	0	0	0	0	0	2	67
290050	0	0	0	0	1	7	0	0	13	325
310080	0	0	0	0	0	0	0	0	1	69
390050	0	0	0	0	0	0	0	0	11	430
410080	0	0	0	0	0	0	0	0	6	688
490050	0	0	0	0	0	0	0	0	6	173
910060	0	0	0	0	0	0	0	0	1	23
910090	2	22	0	0	0	0	0	0	1	6
990030	0	0	0	0	0	0	0	0	6	144
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	5	228
8463100080	0	0	0	0	0	0	0	0	1	99
200080	0	0	0	0	0	0	0	0	0	0
300080	2	54	1	18	0	0	2	34	5	133
900080	26	684	0	0	0	0	0	0	15	154
9800000002	17	809	0	0	29	530	2	12	32	309
9900000002	19	14	93	79	29	25	0	0	84	69
Month Tot	70	1701	96	115	59	561	4	46	213	3349
Y-T-D Tot	177	3873	103	616	75	681	45	1754	837	15246
NC YTD Tot	7	603	0	0	0	0	5	208	56	5753
C&F Month	185	2228	110	129	62	826	44	641	2592	7840
C&F Y-T-D	376	6740	136	1056	176	3444	217	4389	9658	33310
C&F NC YTD	12	945	0	0	18	2081	6	439	127	11906

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	817	0	93	0	833	0	1607	0	13387
2710003070	0	20	0	0	0	41	0	0	0	136
8428900010	4	35	0	0	0	0	0	0	7	141
8456100000	0	0	0	0	0	0	0	0	18	624
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	2	65	1	71	6	269
106050	0	0	0	0	1	76	0	0	11	2473
200010	0	0	0	0	0	0	0	0	0	0
200050	2	47	0	0	1	250	0	0	67	1886
300000	0	0	0	0	0	0	0	0	0	0
400000	1	5	0	0	0	0	0	0	92	161
8479899040	1	32	0	0	0	0	0	0	61	929
900040	0	0	0	0	0	5	0	0	0	235
8537100030	8	55	90	508	1	3	0	0	68	417
9024100000	0	110	0	0	0	46	0	22	0	411
9031100000	0	60	0	0	0	0	0	7	0	374
300000	0	3	0	0	0	0	0	0	0	20
9032810040	377	31	350	17	671	42	90	18	4059	394

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

Metal Forming

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	42	457	2	20	1	18	0	0	0	0
8462100030	0	0	0	0	1	1070	0	0	0	0
100050	1	565	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	35	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	31	4	213	0	0	3	63
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	4	47	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	1	6	0	0
990030	0	0	0	0	1	67	0	0	0	0
990040	1	150	0	0	0	0	0	0	0	0
990060	0	0	0	0	2	11	0	0	0	0
8463100080	0	0	1	12	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	11	270	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	583	0	0	0	0
9800000002	4	1091	3	48	0	0	0	0	1	20
9900000002	0	0	0	0	0	0	0	0	10	191
									2	2
Month Tot	59	2533	13	158	11	1997	1	6	16	276
Y-T-D Tot	154	5952	157	2761	46	3694	5	78	83	3539
NC YTD Tot	17	430	2	61	2	102	0	0	[illegible]	1088
C&F Month	98	4256	164	958	18	3357	4	661	36	1552
C&F Y-T-D	407	17012	447	8826	181	7370	78	1179	221	9550
C&F NC YTD	84	7813	36	4906	5	1411	1	596	6	2035

Other Manufacturing Technology

	China		France		India		Indonesia		Italy	
1000000000	0	541	0	1947	0	271	0	23	0	1167
2710003070	0	0	0	0	0	245	0	4	0	9
8428900010	0	0	0	0	0	0	0	0	1	100
8456100000	0	0	0	0	0	0	0	0	1	12
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	2	176
106050	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	1	1438	0	0	0	0	0	0	0	0
300000	0	0	5	50	0	0	0	0	20	19
400000	0	0	0	0	0	0	0	0	0	0
8479899040	0	0	32	817	0	0	0	0	1	41
900040	0	0	0	30	0	0	0	0	0	0
8537100030	2	3	72	303	1	13	0	0	14	74
9024100000	0	15	0	165	0	2	0	0	0	291
9031100000	0	36	0	0	0	4	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810040	1268	109	2048	186	1	8	0	0	3152	342

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	15	163	0	0	5	172	0	0
8462100030	1	50	2	1289	0	0	1	8	0	0
100050	3	56	0	0	0	0	8	289	0	0
210080	21	1267	0	0	0	0	1	43	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	1	18	0	0
290050	3	53	1	9	0	0	7	62	3	20
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	2	9	0	0
410080	0	0	0	0	1	105	0	0	0	0
490050	1	5	10	122	0	0	13	63	0	0
910060	1	62	0	0	0	0	0	0	0	0
910090	0	0	1	202	0	0	8	141	1	10
990030	2	333	0	0	0	0	3	366	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	25	720	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	6	274	0	0	0	0	0	0	0	0
300080	2	11	0	0	0	0	4	76	0	0
900080	28	5358	135	4459	0	0	23	493	0	0
9800000002	1	608	12	243	1	15	83	648	3	13
9900000002	7	9	0	0	0	0	125	126	0	0
									10	8
Month Tot	76	8104	176	6487	2	120	309	3235	17	52
Y-T-D Tot	380	24182	446	18729	8	276	1105	14066	53	824
NC YTD Tot	60	4226	5	1011	1	105	18	1049	5	461
C&F Month	362	10263	223	9129	29	161	767	8173	118	375
C&F Y-T-D	1812	34749	714	33438	55	399	3975	32688	359	3708
C&F NC YTD	82	6671	31	6094	1	105	58	5065	22	2338

Other Manufacturing Technology

1000000000	0	5779	0	6815	0	495	0	5083	0	644
2710003070	0	26	0	25	0	9	0	69	0	0
8428900010	27	270	0	0	0	0	1	379	0	0
8456100000	25	1934	0	0	0	0	1	25	1	33
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	2	1344	6	933	10	421	0	0
106050	0	0	2	132	0	0	5	751	0	0
200010	2	56	0	0	0	0	1	19	0	0
200050	0	0	3	108	0	0	6	139	0	0
300000	0	0	1	20	0	0	5	321	0	0
400000	34	134	28	242	0	0	1	4	0	0
8479899040	13	91	1	40	0	0	1	73	0	0
900040	0	120	0	50	0	0	0	17	0	0
8537100030	17	156	21	116	4	27	36	351	10	49
9024100000	0	1154	0	975	0	0	0	233	0	275
9031100000	0	400	0	167	0	0	0	165	0	0
300000	0	1958	0	11	0	0	0	0	0	0
9032810040	4401	426	160	70	0	0	8292	88	4426	265

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	1	29	1	4
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	3	52	0	0
210080	0	0	0	0	0	0	2	458	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	121	0	0	2	41	0	0	0	0
310080	1	87	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	1	3	17	328	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	32	0	0	0	0	2	125	0	0
990030	0	0	0	0	0	0	1	85	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	10	412	0	0	0	0	1	10
8463100080	0	0	0	0	0	0	0	0	4	152
200080	0	0	2	144	0	0	0	0	0	0
300080	0	0	2	67	0	0	1	41	0	0
900080	0	0	1	213	1	17	3	872	0	0
9800000002	4	25	0	0	0	0	1	6	0	0
9900000002	8	9	0	0	0	0	0	0	0	0
Month Tot	17	276	32	1164	3	58	14	1667	6	165
Y-T-D Tot	100	5793	70	2224	28	836	82	4534	26	679
NC YTD Tot	14	2436	0	0	4	222	7	924	0	0
C&F Month	114	682	36	1266	43	286	163	2897	23	250
C&F Y-T-D	609	8082	259	3523	113	2505	322	7712	84	1269
C&F NC YTD	17	2846	1	677	13	1514	15	1652	5	178

Other Manufacturing Technology

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	740	0	374	0	733	0	1304	0	517
2710003070	0	45	0	4	0	0	0	131	0	0
8428900010	0	0	0	0	0	0	0	0	0	0
8456100000	0	0	1	19	0	0	1	116	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	3	200	2	124	3	208	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
8479899040	16	97	1	40	6	141	28	169	0	0
900040	0	0	0	0	0	2	0	0	0	0
8537100030	3	16	1	3	9	49	1	2	6	36
9024100000	0	118	0	48	0	32	0	49	0	5
9031100000	0	135	0	0	0	0	0	0	0	0
300000	0	2	0	0	0	0	0	0	0	0
9032810040	771	59	2841	150	222	25	1936	108	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	7	221
8462100030	0	0	0	0	0	0	0	0	0	0
100050	4	61	0	0	0	0	0	0	8	823
210080	1	167	0	0	0	0	0	0	10	459
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	34	0	0	0	0	11	511	4	47
310080	7	210	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	1	36	2	205	0	0
490050	13	1132	0	0	0	0	1	4	7	78
910060	2	17	0	0	0	0	0	0	1	23
910090	5	176	0	0	2	126	0	0	19	1850
990030	0	0	0	0	0	0	0	0	1	122
990040	0	0	0	0	0	0	0	0	1	12
990060	3	25	0	0	0	0	5	741	1	35
8463100080	5	35	0	0	0	0	0	0	8	187
200080	1	19	0	0	0	0	0	0	0	0
300080	23	2002	0	0	7	58	5	127	18	361
900080	5	622	0	0	0	0	13	483	13	1479
9800000002	7	75	0	0	3	108	1	50	68	871
9900000002	87	45	0	0	0	0	63	14	214	68
Month Tot	164	4620	0	0	13	329	101	2135	380	6637
Y-T-D Tot	540	20808	2	108	99	4279	243	8701	1662	18600
NC YTD Tot	26	1464	2	108	2	55	3	276	24	2016
C&F Month	442	9292	0	0	36	374	211	4162	779	9927
C&F Y-T-D	1448	33933	4	778	302	8218	889	15700	2885	30705
C&F NC YTD	79	8156	2	108	5	257	16	2719	72	5852

Other Manufacturing Technology

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	10217	0	13	0	540	0	3285	0	9937
2710003070	0	11	0	0	0	0	0	8	0	106
8428900010	0	0	0	0	0	0	8	68	0	0
8456100000	3	70	7	168	0	0	3	69	16	354
200000	1	13	0	0	0	0	0	0	0	0
8477106010	1	93	0	0	1	108	0	0	5	357
106050	5	437	0	0	0	0	1	490	0	0
200010	0	0	0	0	0	0	5	806	3	56
200050	1	11	0	0	0	0	2	41	7	288
300000	0	0	0	0	0	0	0	0	4	2232
400000	52	29	0	0	0	0	1	2	4	344
8479899040	19	338	0	0	0	0	63	559	45	490
900040	0	450	0	0	0	0	0	100	0	40
8537100030	214	1325	0	0	0	0	129	416	32	217
9024100000	0	581	0	30	0	4	0	837	0	688
9031100000	0	5	0	0	0	43	0	339	0	66
300000	0	6	0	0	0	0	0	39	0	0
9032810040	4486	328	0	0	200	88	3655	240	4505	282

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Cutting and Metal Forming Machine Tool Totals
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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	3	7	18	367	21	373
East Germany	0	0	0	0	0	0
Finland	9	6	7	2	16	7
Greece	1	22	1	10	2	32
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	5	293	6	1783	11	2076
Luxembourg	0	0	0	0	0	0
Norway	13	97	0	0	13	97
Poland	1	26	6	196	7	222
Portugal	0	0	1	15	1	15
Romania	0	0	0	0	0	0
Sweden	17	739	7	133	24	871
Turkey	3	480	3	278	6	758
Yugoslavia	1	19	0	0	1	19
Oth Europe	0	0	0	0	0	0
TOTAL	774	11397	550	11921	1324	23317
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	3	41	3	41
Barbados	0	0	0	0	0	0
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	0	0	2	28	2	28
Dominican Rep	16	79	3	52	19	131
El Salvador	8	18	3	24	11	42
Guatemala	3	2	2	38	5	40
Haiti	0	0	3	3	3	3
Honduras	1	4	0	0	1	4
Jamaica	0	0	0	0	0	0
Panama	4	20	0	0	4	20
Trinidad	8	5	1	35	9	40
Oth N & C Am.	0	0	7	189	7	189
TOTAL	2877	9558	546	6993	3423	16551
SOUTH AMERICA						
Argentina	15	259	0	0	15	259
Bolivia	0	0	0	0	0	0
Chile	7	24	7	144	14	167
Colombia	19	90	211	493	230	582
Ecuador	3	8	0	0	3	8
Paraguay	0	0	0	0	0	0
Peru	0	0	6	179	6	179
Uruguay	12	121	0	0	12	121
Oth South Am.	0	0	0	0	0	0
TOTAL	119	1141	241	1190	360	2332
OCEANIA						
New Zealand	0	0	0	0	0	0
Oth Oceania	3	93	4	61	7	154
TOTAL	118	621	74	1762	192	2383

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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	149	281	43	454	192	735
Iran	0	0	0	0	0	0
Iraq	2	125	3	1625	5	1750
Israel	10	64	0	0	10	64
Jordan	0	0	0	0	0	0
Kuwait	0	0	1	96	1	96
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	1	12	0	0	1	12
Pakistan	2	200	1	2	3	202
Philippines	63	104	5	61	68	165
Qatar	0	0	0	0	0	0
Saudi Arabia	2	49	1	12	3	60
Sri Lanka	9	13	0	0	9	13
Syria	0	0	0	0	0	0
United Arab Emr	0	0	0	0	0	0
Vietnam	0	0	0	0	0	0
Oth Asia	6	7	22	235	28	242
TOTAL	916	11155	438	23840	1354	34995
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	0	0	2	26	2	26
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	3	23	1	59	4	82
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	3	23	3	86	6	109

Note: Region totals include top countries detailed by product as well as countries listed above

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include codes 8456300000.

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RELEASED: August 2, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	301	2442	4	921
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	10	1457	5	766
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	3	646	0	0
100035	Horiz. mach. ctrs., ATC	19	8177	5	1671
100045	Mach. ctrs., n.e.c.	53	3664	18	1098
200010	Unit construction mach. (single station transfer), NC	3	2683	0	0
200090	Unit construction mach. (single station transfer), non-NC	2	674	0	0
300010	Multi-station transfer machines, NC	1	167	0	0
300090	Multi-station transfer machines, non-NC	10	2490	3	614
8458110010	Horiz. lathes, multiple spindle, NC	0	0	0	0
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	75	6265	33	2775
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	9	1680	2	478
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	3	287	0	0
190030	Horiz. engine or toolroom lathes, non-NC	38	773	14	248
190050	Automatic bar and/or chucking mach., single spindle, non-NC	13	51	1	4
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	13	1357	7	1044
190090	Horiz. lathes, n.e.c., non-NC	69	934	19	273
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	1	59	0	0
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	3	420	0	0
991050	Vertical turret lathes, non-NC	9	205	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	32	1527	2	45
8459100000	Way-type unit head machines	7	2056	2	316
210080	Other drilling machines, NC	19	1276	7	295
290040	Drilling machines, multiple spindle, non-NC	4	424	2	353
290050	Drilling machines, radial, non-NC	13	511	2	60
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	15	327	5	282
290090	Drilling machines, n.e.c., non-NC	26	1677	11	323
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	4	1692	2	804
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	1	366	0	0
310070	Boring-milling mach., n.e.c., NC	13	1063	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	30	1	30
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	93	592	11	73
400040	Boring machines, vertical, NC	1	687	0	0
400050	Boring machines, vertical, non-NC	9	145	2	34
400070	Boring machines, n.e.c., NC	1	1350	0	0
400080	Boring machines, n.e.c., non-NC	12	1433	1	9
510080	Milling machines, knee type, NC	7	750	2	66
590030	Milling machines, knee type, non-NC	6	201	1	30
610080	Milling machines, excl. knee type, n.e.c., NC	15	2740	1	56
690050	Milling machines, profile, dup., or die sinking, non-NC	15	693	9	229
690070	Milling machines, bed type, non-NC	26	3633	12	700
690090	Milling machines, n.e.c., non-NC	162	3987	21	725
700020	Threading or tapping machines, n.e.c., NC	2	83	0	0
700080	Threading or tapping machines, n.e.c., non-NC	88	3358	24	304
8460110080	Flat surface grinding mach., NC	54	4684	3	203
190010	Flat surface grinding mach., recip.-table type, non-NC	21	351	9	84
190050	Flat surface grinding mach., n.e.c., non-NC	60	3411	12	1078
210080	Grinding mach., of an accuracy at least 0.01mm, n.e c., NC	104	8319	13	1623
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	15	787	7	252
290030	Grinding mach., internal cylindrical, non-NC	23	965	4	187
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	190	5916	53	1792
310080	Sharpening machines (tool & cutter grinding), NC	7	182	1	20
390050	Sharpening machines (tool & cutter grinding), non-NC	394	3731	82	816
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	268	3006	85	865
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	23	2592	2	1110
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	186	3631	46	1130
8461100060	Planing machines, NC	1	25	1	25
100080	Planing machines, non-NC	61	1751	4	504
200010	Shaping or slotting machines, NC	0	0	0	0
200090	Shaping or slotting machines, non-NC	9	141	3	37
300060	Broaching machines, NC	1	248	1	248
300080	Broaching machines, non-NC	6	832	4	84
401050	Gear hobbers	24	3489	2	63
401070	Gear shapers	9	300	1	20
401090	Gear cutting machines, n.e.c.	23	4472	1	103
405060	Gear grinding or finishing machines	16	2283	2	665
500050	Sawing or cutting-off machines, NC	7	757	0	0
500090	Sawing or cutting-off machines, non-NC	330	4571	94	1089
9000000001	Metal cutting machine tools, n.e.c.	87	2493	26	1051
9800000001	Used or rebuilt machine tools	2548	17445	397	4739
9900000001	Machine tools valued at less than $2,500	13527	6042	3725	1480
	Cutting Total			4807	33894
	Y-T-D Cutting Total	19201	147451		
	NC Y-T-D Cutting Total*	453	53766		

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U.S. EXPORTS
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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	2	123
100025	0	0	0	0	0	0	0	0	3	491
100035	0	0	0	0	0	0	0	0	0	0
100045	1	76	0	0	1	108	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	1	78	0	0	4	318
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	3	40
190070	0	0	0	0	0	0	0	0	0	0
190090	1	3	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	2	29
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	4	169
310040	0	0	0	0	0	0	0	0	1	470
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	1	17
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	30
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	2	51
690090	1	5	0	0	0	0	0	0	5	350
700020	0	0	0	0	0	0	3	441	0	0
700080	6	128	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	1	78	0	0	5	27
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	2	15	2	14
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	7	206
290030	0	0	0	0	0	0	0	0	2	120
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	9	167
390050	0	0	0	0	0	0	0	0	1	20
400060	0	0	0	0	0	0	0	0	33	485
400080	0	0	2	7	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	2	9
900080	0	0	0	0	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	4	21
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	3	66
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	3	36	0	0	0	0	0	0	0	0
9000000001	0	0	0	0	0	0	3	119	27	199
9800000001	10	212	0	0	0	0	0	0	3	21
9900000001	93	67	12	8	0	0	0	0	44	629
							32	20	2209	419
Month Tot	115	527	14	15	3	265	40	595	2379	4490
Y-T-D Tot	199	2866	33	440	101	2763	172	2635	8821	18065
NC YTD Tot*	5	342	0	0	18	2081	1	231	71	6153

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	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	3	287		0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	8	565	1	162	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	16	1	71	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	1	39
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	55	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	9	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	1	80	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	3	69	0	0	0	0	1	25
290030	0	0	0	0	0	0	0	0	0	0
290050	6	76	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	1	6	0	0	0	0	0	0	2	20
900060	0	0	0	0	1	1091	0	0	0	0
900080	0	0	0	0	0	0	1	5	2	8
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	2	63
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	1	646
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	1	34	0	0	0	0
9000000001	0	0	0	0	0	0	1	596	0	0
9800000001	20	1260	6	56	0	0	0	0	7	468
9900000001	8	13	132	86	3	2	0	0	4	6
Month Tot	39	1722	151	800	7	1360	3	655	20	1275
Y-T-D Tot	253	11060	290	6064	135	3675	73	1101	138	6011
NC YTD Tot*	67	7383	34	4844	3	1309	1	596	5	947

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	758	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	1	500	0	0	1	884	0	0
100045	0	0	0	0	0	0	7	399	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	3	614	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	2	20	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	5	950	0	0	0	0	0	0
190090	1	8	0	0	0	0	12	210	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	1	17	0	0
8459100000	0	0	0	0	0	0	1	277	0	0
210080	1	45	0	0	0	0	5	210	0	0
290040	0	0	0	0	0	0	1	103	0	0
290050	0	0	0	0	0	0	1	6	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	68	0	0	3	16	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	1	30	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	1	11	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	9	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	1	56	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	3	75	0	0	9	72	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	7	58	0	0
8460110080	0	0	0	0	0	0	1	45	0	0
190010	0	0	0	0	0	0	5	55	0	0
190050	1	9	0	0	0	0	1	6	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	1	99	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	2	16	17	202
310080	0	0	0	0	0	0	0	0	0	0
390050	5	36	3	20	1	6	3	22	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	5	50	6	81	1	14	3	81	0	0
900060	1	19	0	0	0	0	0	0	0	0
900080	5	356	1	3	0	0	15	255	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	494	0	0	0	0	2	10	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	2	31	0	0
300060	0	0	1	248	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	18	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	103	0	0
405060	0	0	0	0	0	0	1	18	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	14	200	1	6	0	0	7	124	15	80
9000000001	0	0	1	28	0	0	10	98	0	0
9800000001	0	0	6	556	0	0	235	1029	0	0
9900000001	249	84	16	22	25	22	114	121	69	42
Month Tot	286	2158	47	2642	27	41	458	4939	101	324
Y-T-D Tot	1432	10567	268	14710	47	123	2870	18622	306	2884
NC YTD Tot*	22	2445	26	5083	0	0	40	4016	17	1877

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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	5	549	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	2	16	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	58	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	2	66	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	40	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	1	47	0	0
210080	0	0	0	0	1	161	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	2	20	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	20	132	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	2	29	2	31	4	29	2	17
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	2	273	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	15	0	0	1	10	0	0
9000000001	2	208	0	0	0	0	0	0	0	0
9800000001	8	75	0	0	0	0	1	59	10	63
9900000001	85	57	0	0	35	20	111	73	5	5
Month Tot	97	406	4	101	40	228	149	1231	17	85
Y-T-D Tot	509	2289	189	1300	85	1670	240	3178	58	589
NC YTD Tot*	3	410	1	677	9	1291	8	729	5	178

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - April 89

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	40	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	2	275
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	1	29	0	0	0	0	0	0	8	486
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	11	695	0	0	0	0	3	408	0	0
110050	0	0	0	0	0	0	0	0	2	478
110090	0	0	0	0	0	0	0	0	0	0
190030	6	97	0	0	0	0	0	0	1	4
190050	0	0	0	0	0	0	0	0	1	4
190070	1	30	0	0	0	0	1	64	0	0
190090	1	7	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	27
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	41
290040	0	0	0	0	0	0	1	250	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	5	282	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	1	4
310010	0	0	0	0	0	0	1	334	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	10	56
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	23
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	7	178	0	0
690070	7	350	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	3	93
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	3	8	0	0	2	5
8460110080	0	0	0	0	0	0	0	0	2	158
190010	0	0	0	0	0	0	0	0	0	0
190050	3	580	0	0	0	0	1	141	4	215
210080	2	867	0	0	0	0	0	0	3	389
290010	0	0	0	0	0	0	0	0	1	38
290030	0	0	0	0	0	0	3	88	0	0
290050	17	1311	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	3	12	82	4	32
400060	0	0	0	0	0	0	0	0	0	0
400080	1	17	0	0	0	0	30	242	22	233
900060	0	0	0	0	0	0	0	0	0	0
900080	5	22	0	0	0	0	5	42	6	145
8461100060	1	25	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	6	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	20
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	5	94	0	0	2	13	2	7	12	152
9000000001	0	0	0	0	1	7	3	78	5	17
9800000001	5	60	0	0	1	5	7	106	37	162
9900000001	205	161	0	0	15	10	34	9	269	235
Month Tot	278	4672	0	0	23	45	110	2027	399	3291
Y-T-D Tot	908	13125	2	670	203	3939	646	7000	1223	12105
NC YTD Tot*	53	6692	0	0	3	202	13	2444	48	3836

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

RELEASED: August 2, 1989

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	2170	13431	361	4112
8462100030	Headers and upsetters, including cold headers	41	3521	1	1867
100050	Forging or die stamping machines, and hammers, n.e.c.	554	31544	94	12081
210080	Bending, folding, straight. or flat. mach., incl presses, NC	181	9726	48	2291
290030	Press brakes, non-NC	156	4004	24	628
290040	Bending rolls, non-NC	44	1322	4	41
290050	Bending, folding, straight., or flat., n.e.c., non-NC	376	16089	105	6501
310080	Shearing machines, NC	17	1426	3	308
390050	Shearing machines, non-NC	228	5878	49	1086
410080	Punching or notching mach., incl. comb. punch & shear, NC	119	12347	18	2648
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	191	4297	58	766
910060	Hydraulic presses, NC	16	1361	4	1000
910090	Hydraulic presses, non-NC	126	9636	22	1370
990030	Presses, n.e.c., NC	27	2668	10	2181
990040	Presses, mechanical, non-NC	25	20435	4	470
990060	Presses, n.e.c., non-NC	499	29669	71	4363
8463100080	Draw benches for bars, tubes, profiles, wire or the like	18	1572	10	998
200080	Thread rolling machines	18	919	8	617
300080	Machines for working wire	102	6386	21	870
900080	Metal forming machine tools, n.e.c.	320	9593	71	1694
9800000002	Used or rebuilt machine tools	279	5319	56	1002
9900000002	Machine tools valued at less than $2,500	7546	2541	1747	691

	UNITS	$000	UNITS	$000
Forming Total			2789	47586
Y-T-D Forming Total	13053	193682		
NC Y-T-D Forming Total	360	27528		
Cutting and Forming Totals:				
Monthly Total			57391	203569
Y-T-D Total	190457	790121		
NC Y-T-D Total	4357	409590		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	227214	0	62950
2710003070	Quenching or cutting oils	0	24	0	14
8428900010	Industrial robots for lifting, handling, loading or unload	533	16748	139	7654
8456101010	Laser, light or photon beam for working metal, NC	30	4822	7	1150
101020	Laser, light or photon beam for working metal, non-NC	4	616	0	0
105000	Laser, light or photon beam for other materials	933	1492	246	433
201010	Ultrasonic processes for working metal, NC	3	161	3	161
201050	Ultrasonic processes for working metal, non-NC	10	22	4	3
205000	Ultrasonic processes for working other materials	113	362	1	5
8477106010	Injection molding mach., for rubber or oth. thermosetting	260	32052	82	17519
106050	Injection molding mach., for thermoplastics	843	87632	228	22048
200010	Extruders for rubber or other thermosetting materials	57	7758	14	910
200050	Extruders for processing thermoplastics	258	17290	48	2735
300000	Blow molding machines	100	15739	33	3208
400000	Vacuum-molding and other thermoforming machines	80	8394	4	846
8479899040	Industrial robots, n.e.c.	8799	46935	356	7826
900040	Industrial robot parts	0	0	0	0
8537100030	Numerical controls for controlling machine tools	4212	14855	723	3151
9024100000	Machines and appliances for testing metals	0	3092	0	558
9031100000	Machines for balancing mechanical parts	0	2358	0	683
300000	Profile projectors	0	2049	0	533
9032810020	Industrial process control instr., hydraulic	61495	1108	24254	313
810060	Industrial process control instr., pneumatic	19958	902	6755	295

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	336	235	0	0	2	329
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	20	179	0	0	0	0
210080	1	25	0	0	1	14	0	0	1	39
290030	6	210	0	0	8	278	0	0	0	0
290040	0	0	0	0	1	32	0	0	0	0
290050	0	0	0	0	42	408	1	8	5	526
310080	0	0	0	0	0	0	0	0	0	0
390050	10	120	0	0	3	85	1	34	3	41
410080	0	0	0	0	0	0	0	0	0	0
490050	1	23	0	0	7	56	0	0	8	42
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	2	205	0	0	1	633
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	4	483	0	0	27	1852	0	0	6	1134
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	2	91	0	0	1	10	0	0	0	0
900080	0	0	0	0	0	0	0	0	18	617
9800000002	2	53	0	0	18	198	0	0	2	41
9900000002	1	1	0	0	17	33	11	16	113	35
Month Tot	27	1006	0	0	483	3584	13	58	159	3436
Y-T-D Tot	168	5637	7	11	2745	19311	62	762	430	5767
NC YTD Tot	2	42	0	0	7	428	6	163	3	568
C&F Month	31	2799	105	249	1589	4981	114	1365	2827	9829
C&F Y-T-D	221	9340	418	2279	4473	25823	710	12166	10171	21175
C&F NC YTD	8	240	4	239	17	911	29	1365	88	5979

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	337	0	50	0	24166	0	1949	0	1161
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	0	0	25	2093	0	0	2	408
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	1	138	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	4	3
205000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	3	644	6	900	5	744
106050	0	0	0	0	23	4086	0	0	11	1454
200010	0	0	0	0	0	0	0	0	1	210
200050	1	198	0	0	10	355	0	0	1	60
300000	0	0	0	0	2	283	0	0	9	595
400000	0	0	0	0	0	0	0	0	0	0
8479899040	0	0	0	0	1	12	0	0	0	0
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	1	4	0	0	1	4
9024100000	0	2	0	0	0	13	0	0	0	26
9031100000	0	0	0	0	0	0	0	0	0	6
300000	0	0	0	0	0	0	0	0	0	6
9032810020	0	0	0	0	3	1	0	0	0	0
810060	0	0	0	0	0	0	323	23	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	3164	0	0	0	0	0	0	0	0
8462100030	1	1867	0	0	0	0	0	0	0	0
100050	20	11156	0	0	0	0	0	0	0	0
210080	31	1583	0	0	0	0	0	0	1	62
290030	2	68	0	0	4	37	1	17	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	8	4283	0	0	0	0	0	0	0	0
310080	2	165	0	0	0	0	2	6	17	317
390050	10	446	0	0	6	72	0	0	0	0
410080	9	1409	0	0	0	0	0	0	1	18
490050	0	0	0	0	0	0	0	0	0	0
910060	4	1000	0	0	0	0	15	141	2	54
910090	10	128	0	0	0	0	0	0	0	0
990030	6	2008	0	0	0	0	0	0	2	256
990040	4	470	0	0	0	0	0	0	0	0
990060	11	366	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	1	25
200080	1	177	0	0	0	0	0	0	0	0
300080	3	143	0	0	0	0	1	34	0	0
900080	41	456	0	0	0	0	0	0	0	0
9800000002	23	198	0	0	0	0	0	0	2	77
9900000002	209	310	0	0	0	0	2	3	0	0
							35	30	4	5
Month Tot	399	29396	0	0	10	110	56	231	30	812
Y-T-D Tot	1676	113885	4	38	35	517	156	502	128	3137
NC YTD Tot	167	16630	0	0	0	0	0	0	2	85
C&F Month	4890	118240	241	2338	106	1907	409	2648	671	2892
C&F Y-T-D	15407	464868	779	6122	290	5079	897	6996	1196	6304
C&F NC YTD	2817	312712	60	3226	37	1877	184	2054	3	108

Other Manufacturing Technology

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	12330	0	248	0	326	0	217	0	844
2710003070	0	14	0	0	0	0	0	0	0	0
8428900010	71	4002	0	0	0	0	0	0	31	994
8456101010	5	978	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	120	53	0	0	0	0	0	0	0	0
201010	3	161	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	1	5	0	0	0	0	0	0	0	0
8477106010	47	12577	0	0	0	0	0	0	0	0
106050	91	8862	13	481	0	0	0	0	0	0
200010	3	166	0	0	0	0	0	0	1	50
200050	1	70	0	0	0	0	0	0	0	0
300000	2	764	2	69	0	0	0	0	0	0
400000	3	655	0	0	0	0	0	0	0	0
8479899040	291	6906	0	0	1	12	0	0	0	0
900040	0	0	0	0	0	0	0	0	2	67
8537100030	717	2658	0	0	0	0	0	0	0	0
9024100000	0	172	0	0	0	0	0	0	0	0
9031100000	0	606	0	6	0	0	0	0	0	72
300000	0	272	0	0	0	0	0	0	0	0
9032810020	49	3	1150	177	0	0	0	0	0	0
810060	19	222	6000	27	0	0	0	0	1	2

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 89

Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	317	1	22	0	0	0	0	16	44
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	12	119	41	480	1	147
210080	1	72	0	0	0	0	7	407	5	91
290030	0	0	0	0	0	0	2	10	1	9
290040	0	0	0	0	0	0	3	9	0	0
290050	3	166	10	27	4	51	9	660	4	49
310080	1	143	0	0	0	0	0	0	0	0
390050	0	0	0	0	13	57	1	6	1	207
410080	1	117	0	0	0	0	6	790	2	332
490050	1	6	3	96	3	216	18	133	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	1	6	2	9	3	119	1	14
990030	0	0	0	0	0	0	4	174	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	2	22	2	88	0	0	12	248	6	144
8463100080	0	0	0	0	0	0	10	998	0	0
200080	0	0	0	0	0	0	4	400	2	6
300080	0	0	4	63	6	92	5	472	0	0
900080	0	0	0	0	3	126	5	345	2	73
9800000002	0	0	0	0	1	3	8	507	0	0
9900000002	250	22	1019	165	2	1	54	25	32	47

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
Month Tot	261	865	1040	466	46	674	192	5784	73	1164
Y-T-D Tot	469	6537	4188	3093	248	5981	726	22329	2011	6176
NC YTD Tot	12	1349	21	469	1	42	92	5604	47	2147
C&F Month	320	7097	38897	10275	491	4839	1597	28296	5103	5815
C&F Y-T-D	844	30916	120001	39363	2973	31866	4749	101080	27328	26745
C&F NC YTD	73	11642	257	7238	266	12295	353	43247	161	6457

Other Manufacturing Technology

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	4052	0	1732	0	2706	0	9448	0	3383
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	4	63	0	0	6	93	0	0	0	0
8456101010	2	172	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	87	4	2	211	36	27
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477106010	6	301	2	144	4	54	8	2024	1	131
106050	3	485	7	305	1	233	69	4832	9	1259
200010	4	91	0	0	0	0	4	318	2	126
200050	0	0	12	172	6	37	15	1834	2	10
300000	0	0	3	65	0	0	15	1432	0	0
400000	0	0	0	0	1	191	0	0	0	0
8479899040	2	53	1	133	13	22	22	166	23	456
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	0	0	1	484	3	1
9024100000	0	19	0	0	0	106	0	31	0	117
9031100000	0	20	0	0	0	34	0	5	0	6
300000	0	0	0	0	0	172	0	83	0	0
9032810020	100	6	0	0	2100	8	1	5	20851	114
810060	0	0	240	1	1	1	6	6	165	13

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	297	613	4	75	301	687
Bulgaria	0	0	0	0	0	0
Czechoslovakia	4	59	0	0	4	59
Denmark	80	116	3	72	83	188
East Germany	20	242	0	0	20	242
Finland	0	0	7	339	7	339
Hungary	1	32	0	0	1	32
Ireland	8	5	2	6	10	11
Luxembourg	0	0	0	0	0	0
Netherlands	37	204	13	306	50	509
Norway	1	2	0	0	1	2
Poland	9	122	0	0	9	122
Portugal	19	44	3	35	22	79
Romania	0	0	0	0	0	0
USSR	1	21	0	0	1	21
Yugoslavia	78	642	0	0	78	642
Oth Europe	2	3	0	0	2	3
TOTAL	6233	49003	816	13699	7049	62702
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	1	16	29	196	30	212
Oth N & C Am.	1	19	0	0	1	19
TOTAL	1108	1433	512	3779	1620	5213
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	105	249	0	0	105	249
OCEANIA						
Australia	5	309	1	3	6	312
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	5	309	1	3	6	312

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	4440	1404	1	9	4441	1413
Hong Kong	4	8	0	0	4	8
India	6	9	0	0	6	9
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	16	780	6	121	22	901
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	47151	104989	1456	30102	48607	135091
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	4	3	4	3
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	4	3	4	3

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Cutting Machine Tools - April 89

RELEASED: August 2, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC	271	22840	82	6041
301030	Traveling wire electro-discharge machines, non-NC	58	4546	7	488
301050	Electro-discharge machines, n.e.c., NC	61	3178	9	384
301070	Electro-discharge machines, n.e.c., non-NC	110	4007	49	1478
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	678	57315	149	12459
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	58	6440	9	873
100035	Horiz. mach. ctrs., ATC	222	42690	97	13668
100045	Mach. ctrs., n.e.c.	143	12588	63	3858
200010	Unit construction mach. (single station transfer), NC	8	1027	8	1027
200090	Unit construction mach. (single station transfer), non-NC	3	261	0	0
300010	Multi-station transfer machines, NC	4	5525	1	4293
300090	Multi-station transfer machines, non-NC	46	11237	6	6075
8458110010	Horiz. lathes, multiple spindle, NC	78	13520	18	2620
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1044	79255	232	16296
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	187	27228	45	7223
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	38	3791	1	176
190030	Horiz. engine or toolroom lathes, non-NC	1044	9795	341	2668
190050	Automatic bar and/or chucking mach., single spindle, non-NC	67	2859	31	1885
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	29	1587	9	75
190090	Horiz. lathes, n.e.c., non-NC	401	5445	61	923
911060	Vertical turret lathes, multiple spindle, NC	9	1299	4	519
911080	Vertical turret lathes, n.e.c., NC	13	1183	12	1124
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	2	682	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	23	2008	3	292
991050	Vertical turret lathes, non-NC	13	1531	3	249
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	241	6206	39	1260
8459100000	Way-type unit head machines	3	270	1	101
210080	Other drilling machines, NC	135	13817	36	5099
290040	Drilling machines, multiple spindle, non-NC	25	1159	10	1046
290050	Drilling machines, radial, non-NC	136	815	24	209
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	108	734	73	568
290090	Drilling machines, n.e.c., non-NC	212	16554	30	2108
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	3	991	1	375
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	77	8618	13	819
310070	Boring-milling mach., n.e.c., NC	34	1282	9	175
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	16	345	12	132
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	54	3229	1	8
400040	Boring machines, vertical, NC	11	5445	1	41
400050	Boring machines, vertical, non-NC	18	138	2	41
400070	Boring machines, n.e.c., NC	8	2243	6	728
400080	Boring machines, n.e.c., non-NC	93	2813	17	303
510080	Milling machines, knee type, NC	355	7196	204	1842
590030	Milling machines, knee type, non-NC	1114	12154	312	3387
610080	Milling machines, excl. knee type, n.e.c., NC	75	17852	19	3028
690050	Milling machines, profile, dup., or die sinking, non-NC	3	386	0	0
690070	Milling machines, bed type, non-NC	41	1662	26	251
690090	Milling machines, n.e.c., non-NC	177	5767	43	1201
700020	Threading or tapping machines, n.e.c., NC	79	5563	20	2615
700080	Threading or tapping machines, n.e.c., non-NC	119	4015	25	241
8460110080	Flat surface grinding mach., NC	55	3992	16	1472
190010	Flat surface grinding mach., recip.-table type, non-NC	329	3996	128	1374
190050	Flat surface grinding mach., n.e.c., non-NC	585	6495	114	2061
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	96	21213	38	10604
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	150	3602	10	823
290030	Grinding mach., internal cylindrical, non-NC	47	4318	19	1339
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	437	17436	122	3913
310080	Sharpening machines (tool & cutter grinding), NC	75	1065	17	272
390050	Sharpening machines (tool & cutter grinding), non-NC	228	3436	86	916
400060	Honing or lapping machines, NC	23	5501	6	492
400080	Honing or lapping machines, non-NC	46	1467	10	385
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	24	1659	6	358
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	409	10032	146	3277
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	1	54	0	0
200010	Shaping or slotting machines, NC	26	1433	3	51
200090	Shaping or slotting machines, non-NC	26	723	15	596
300060	Broaching machines, NC	4	1358	3	1233
300080	Broaching machines, non-NC	37	3487	0	0
401050	Gear hobbers	26	4353	5	332
401070	Gear shapers	5	698	2	265
401090	Gear cutting machines, n.e.c.	79	105	14	39
405060	Gear grinding or finishing machines	50	4734	3	992
500050	Sawing or cutting-off machines, NC	37	792	7	235
500090	Sawing or cutting-off machines, non-NC	565	7298	127	1997
9000000001	Metal cutting machine tools, n.e.c.	264	6909	45	1586
9800000001	Used or rebuilt machine tools	2789	11941	1236	3528
9900000001	Machine tools valued at less than $2,500	163244	27250	50260	7570
	Cutting Total			54602	155983
	Y-T-D Cutting Total	177404	596439		
	NC Y-T-D Cutting Total	3997	382062		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - April 89

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	2	74	0	0	0	0	0	0	0	0
301030	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	43	857
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	2	14	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	10	78	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	30	158	0	0	0	0	1	24
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	80
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	2	15	0	0	1	11
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	10	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	1	6	773	4	360
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	6	74
390040	0	0	0	0	0	0	0	0	2	57
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	2	41
400070	0	0	0	0	0	0	0	0	3	37
400080	0	0	0	0	6	75	0	0	6	35
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	1	3	0	0	1	1281
610080	0	0	0	0	0	0	0	0	2	892
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	5	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	1	11	0	0
8460110080	0	0	0	0	0	0	0	0	1	11
190010	0	0	0	0	0	0	0	0	8	203
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	2	257
290050	0	0	0	0	29	305	0	0	6	145
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	2	5	0	0	5	27
400060	0	0	0	0	3	30	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	5	45
900080	0	0	0	0	2	54	10	27	15	258
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	45	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	11
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	14	39
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	19	255	2	174	36	261
9000000001	0	0	0	0	11	480	14	246	4	770
9800000001	2	1719	0	0	926	75	3	11	14	236
9900000001	0	0	64	3	103	49	63	52	2485	382
Month Tot	4	1793	105	249	1106	1398	101	1307	2668	6393
Y-T-D Tot	53	3703	411	2268	1728	6512	648	11404	9741	15408
NC YTD Tot	6	198	4	239	10	483	23	1202	85	5410

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - April 89

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	75	5505	0	0	0	0	0	0	0	0
301030	6	458	0	0	0	0	0	0	0	0
301050	4	351	0	0	0	0	0	0	0	0
301070	23	778	0	0	0	0	0	0	0	0
8457100015	112	9961	7	361	8	411	0	0	0	0
100025	2	422	1	83	0	0	0	0	0	0
100035	83	10648	0	0	0	0	0	0	0	0
100045	7	552	0	0	0	0	0	0	0	0
200010	8	1027	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	2	5547	0	0	0	0	0	0	0	0
8458110010	12	1445	0	0	0	0	0	0	0	0
110030	196	14494	16	911	0	0	0	0	0	0
110050	44	7171	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	1	26	12	102	21	227	1	77	0	0
190050	18	1796	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	5	318	0	0	0	0	0	0
911060	3	476	0	0	0	0	0	0	0	0
911080	11	856	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	1	49	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	5	404	6	121	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	34	4985	0	0	0	0	1	5	0	0
290040	10	1046	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	12
290070	6	298	11	48	0	0	0	0	0	0
290090	1	116	0	0	0	0	11	583	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	1	41	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	3	691	0	0	0	0	0	0	0	0
400080	2	70	0	0	0	0	0	0	0	0
510080	2	5	0	0	0	0	145	897	0	0
590030	5	121	0	0	0	0	77	572	0	0
610080	5	1690	0	0	5	197	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	1	47	0	0	0	0	0	0	0	0
690090	5	16	0	0	0	0	8	234	0	0
700020	17	2519	3	96	0	0	0	0	0	0
700080	21	68	0	0	0	0	0	0	0	0
8460110080	12	1154	0	0	0	0	0	0	0	0
190010	26	189	0	0	49	670	0	0	0	0
190050	5	819	6	18	0	0	0	0	2	8
210080	18	6386	0	0	0	0	0	0	0	0
290010	4	403	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	5	467	0	0	0	0	0	0	3	1344
310080	2	91	0	0	0	0	0	0	0	0
390050	2	79	0	0	0	0	0	0	0	0
400060	3	461	0	0	0	0	0	0	0	0
400080	2	206	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	13	1301	5	23	0	0	0	0	58	439
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	3	51	0	0	0	0	0	0	0	0
200090	1	43	0	0	12	251	0	0	0	0
300060	3	1233	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	1	227	1	42	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	1	53	0	0	0	0	0	0	0	0
500050	5	130	0	0	0	0	0	0	0	0
500090	25	905	0	0	0	0	0	0	0	0
9000000001	5	35	0	0	0	0	9	25	1	4
9800000001	205	279	0	0	0	0	0	0	0	0
9900000001	3426	744	167	167	0	0	1	10	0	0
Month Tot	4491	88844	241	2338	0	0	100	13	575	273
Y-T-D Tot	13731	350983	775	6085	96	1797	353	2417	641	2080
NC YTD Tot	2650	296082	60	3226	255	4562	741	6494	1068	3167
					37	1877	184	2054	1	23

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - April 89

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	5	463	0	0	0	0	0	0	0	0
301030	0	0	1	30	0	0	0	0	0	0
301050	0	0	0	0	5	32	0	0	0	0
301070	4	239	0	0	4	40	18	422	0	0
8457100015	0	0	5	278	7	607	7	812	3	29
100025	0	0	0	0	6	368	0	0	0	0
100035	0	0	3	261	1	77	10	2681	0	0
100045	1	496	0	0	0	0	11	1917	1	36
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	4	528	0	0	0	0	1	4293	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	58	16	775	1	44	6	1175	0	0
110050	0	0	1	53	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	86	592	46	562	1	176	0	0
190050	0	0	13	88	0	0	0	0	164	1003
190070	0	0	4	30	0	0	0	0	0	0
190090	0	0	0	0	23	263	0	0	5	45
911060	0	0	0	0	1	43	0	0	2	161
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	1	269	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	1	178	0	0	0	0	1	163	0	0
995090	0	0	1	44	6	28	2	71	0	0
8459100000	0	0	0	0	1	101	4	271	14	365
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	1	109	0	0
290050	0	0	9	81	0	0	0	0	0	0
290070	0	0	0	0	0	0	1	9	11	97
290090	0	0	2	136	0	0	23	90	33	133
310010	0	0	0	0	1	375	5	125	1	13
310040	0	0	0	0	0	0	0	0	0	0
310070	1	37	0	0	1	59	11	774	2	46
390040	0	0	0	0	0	0	1	5	0	0
390050	0	0	0	0	0	0	0	0	10	74
400040	0	0	0	0	0	0	0	0	1	8
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	36	343	14	404	2	95	1	28
590030	0	0	119	767	81	357	3	168	4	25
610080	0	0	7	249	0	0	0	0	28	287
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	25	204	0	0	0	0	0	0
690090	2	246	0	0	18	54	0	0	0	0
700020	0	0	0	0	0	0	0	0	9	646
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	1	13	1	3	2	160
190010	0	0	28	76	6	6	2	293	0	0
190050	1	134	78	630	8	398	1	211	10	20
210080	5	749	4	125	0	0	0	0	14	53
290010	4	327	1	13	0	0	11	3345	0	0
290030	5	180	0	0	0	0	1	81	0	0
290050	5	1067	22	74	2	27	2	779	10	123
310080	2	19	12	120	0	0	36	389	14	94
390050	2	35	2	24	11	62	1	43	0	0
400060	0	0	0	0	0	0	58	533	4	151
400080	0	0	0	0	5	34	0	0	0	0
900060	1	313	0	0	0	0	2	5	1	140
900080	2	711	3	19	6	18	0	0	0	0
8461100060	0	0	0	0	0	0	20	171	12	256
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	1	257	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	2	52	0	0
401090	0	0	0	0	0	0	2	265	0	0
405060	1	423	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	1	516	0	0
500090	0	0	1	5	0	0	2	105	0	0
9000000001	0	0	1	4	0	0	18	322	16	47
9800000001	2	13	9	35	0	0	0	0	10	51
9900000001	10	16	37368	4753	46	107	25	1004	3	39
Month Tot	59	6232	37857	9809	144	85	1110	514	4645	518
Y-T-D Tot	375	24379	115813	36270	445	4165	1405	22512	5030	4651
NC YTD Tot	61	10293	236	6768	2725	25885	4023	78750	25317	20569
					265	12253	261	37643	114	4310

Please see notes on last page of the metal forming section.

A 8620-3

REPORT

NMTBA
The Association For
Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL
No. 104-89 August 16, 1989

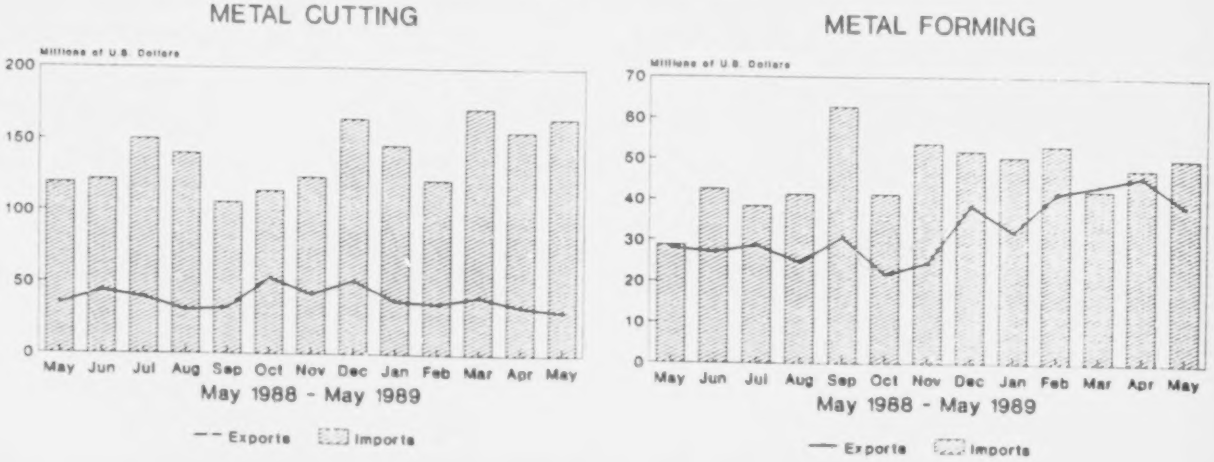
U.S. FOREIGN TRADE -- MAY 1989

Exports fell and imports rose for both metal cutting and metal forming machine tools during May 1989, compared with April 1989. The year-to-date trade balance compared with last year is 24% higher for cutting machines, and 23% lower for forming machines.

U.S. MACHINE TOOL FOREIGN TRADE SUMMARY

	May 1989	April 1989	% Change Apr.-May	Year to Date '89	Year to Date '88	% Change '88-'89
METAL CUTTING						
Imports	$165.5	$156.0	6.1%	$762.0	$624.0	22.1%
Exports	$ 30.6	$ 33.9	-9.7%	$178.1	$151.3	17.7%
Balance	-$134.9	-$122.1	10.5%	-$583.9	-$472.7	23.5%
METAL FORMING						
Imports	$ 50.3	$ 47.6	5.7%	$244.0	$183.4	33.0%
Exports	$ 38.5	$ 45.8	-15.9%	$201.3	$128.2	57.0%
Balance	-$ 11.8	-$ 1.8	556.0%	-$ 42.7	-$ 55.2	-22.6%
TOTAL						
Imports	$215.8	$203.6	6.0%	$1,005.9	$807.4	24.6%
Exports	$ 69.1	$ 79.7	-13.3%	$379.4	$279.4	35.8%
Balance	-$146.7	-$123.9	18.4%	-$626.5	-$528.0	18.7%

U.S. MONTHLY TRADE IN MACHINE TOOLS

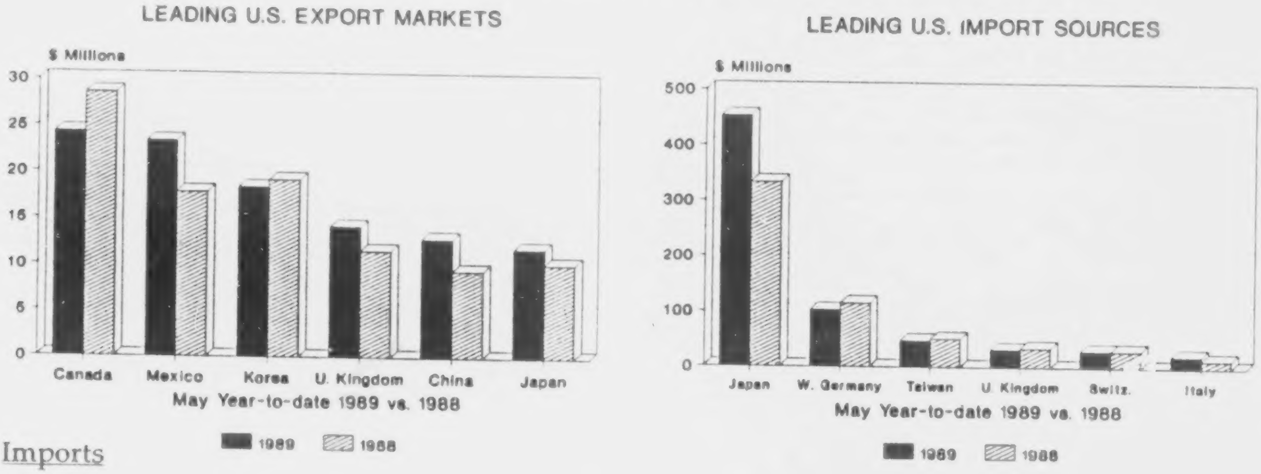


METAL CUTTING

Exports

During May 1989 Canada was the largest U.S. export market for metal cutting machine tools at $6.2 million, up 39% from April 1989. Mexico and Korea followed at $4.7 million and $3.7 million, respectively. Total cutting tool exports were down 10% from April and down 11% from one year ago. The largest drops in exports were to the United Kingdom (down 78% from April 1989 and 52% from May 1988) and to Japan (down 42% from April and 45% from last year). Year-to-date total exports of metal cutting machine tools were up 18% from one year ago.

METAL CUTTING MACHINE TOOL FOREIGN TRADE



LEADING U.S. EXPORT MARKETS

LEADING U.S. IMPORT SOURCES

Imports

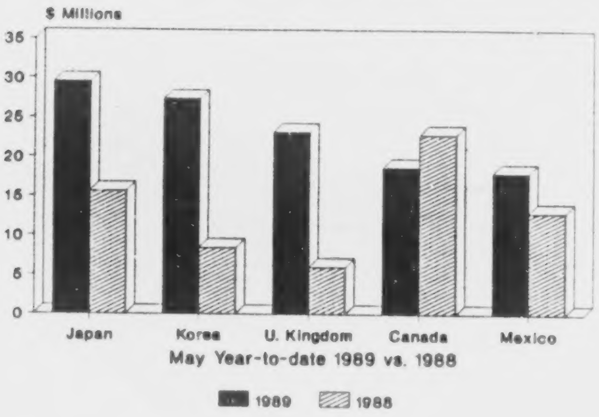
Imports of metal cutting machine tools were significantly higher in May 1989 compared with May 1988 for Japan (up 61% to $100.5 million), Switzerland (up 33% to $5.6 million), and Italy (up 260% to $5.5 million). Total imports for the month were 39% higher than May 1988, and 6% higher than April 1989. Japan and West Germany combined accounted for 75% of May 1989 imports. Big gainers from April 1989 were: Japan, up 13%; Taiwan, up 14%; and the United Kingdom, up 31%.

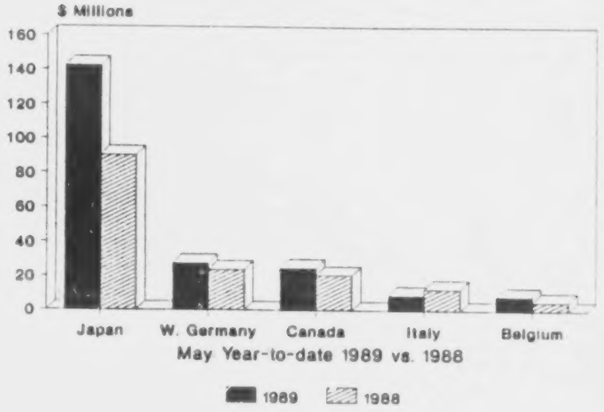
METAL FORMING

Exports

U.S. exports of metal forming machine tools in May 1989 were up 37% from May 1988 but down 16% compared with April 1989. Korea was the largest export market at $8.6 million, up 32% from April 1989 and up almost 300% from May 1988. The next three largest export markets were Japan, Mexico, and Canada, at $5.3 million, $3.9 million, and $3.4 million, respectively. Exports to Japan were down 35% from April but more than doubled versus May 1988. Year-to-date metal forming machine tool exports were up 89% to Japan, and more than tripled to the U.K. and Korea, but down 18% to Canada, compared with year-to-date 1988 figures.

METAL FORMING MACHINE TOOL FOREIGN TRADE


LEADING U.S. EXPORT MARKETS


LEADING U.S. IMPORT SOURCES

Imports

Imports of metal forming machine tools in May 1989 from Japan totalled $28.5 million, down 3% from April 1989 but still equal to almost 57% of total U.S. metal forming machine tool imports for the month. Imports from Canada were up 52% from April to $5.4 million; West German imports were $5.3 million, down 9% from April but up 92% from May 1988. Italy and Belgium were the fourth and fifth largest exporters to the United States, at $2.8 million and $2.6 million, respectively, in May 1989. Overall metal forming machine tool imports rose 6% from April and 75% compared with one year ago.

Other Manufacturing Technology

Exports

U.S. exports of machine tool parts and accessories totalled $62.2 million in May 1989, down 7% from April. Exports of numerical controls for machine tools were $3.4 million, down 19% from April. The top U.S. export markets for parts and accessories were Canada ($12.0 million, down 10% from April 1989), the United Kingdom ($6.9 million, down 33%), South Korea ($6.9 million, up 1%), Japan ($5.5 million, down 5%), and Mexico ($4.9 million, down 4%). U.S. exports of machine tool parts to West Germany were up 43% from April to $4.7 million. The "all other" category -- countries not considered major markets -- totalled $9.1 million.

U.S. exports of blow molding machines doubled from April, to $5.3 million, including $1.2 million to Canada, $1.4 million to France, and $1.5 million to the Soviet Union. Exports of machines and appliances for testing metals rose 4% from April to $6.3 million. Exports of laser, light, or photon beam for working any material rose to $5.6 million in May 1989, up 63% from April 1989 -- Japan was the leading market at $1.6 million. Of the $2.7 million of U.S. exports of injection molding machinery for rubber or other thermosetting materials, $1.6 million went to Mexico and $0.6 million went to the Soviet Union. Exports of extruders for processing thermoplastics fell 27% in May from April, to $3.1 million.

Imports

U.S. imports of machine tool parts and accessories reached $58.1 million in May 1989, down 7.7% from April. The largest source markets were Japan, West Germany, and Canada, with $17.2 million, $12.8 million, and $11.3 million, respectively. Imports of numerical controls, 99% of which came from Japan, rose 18% in May compared with April to $3.7 million.

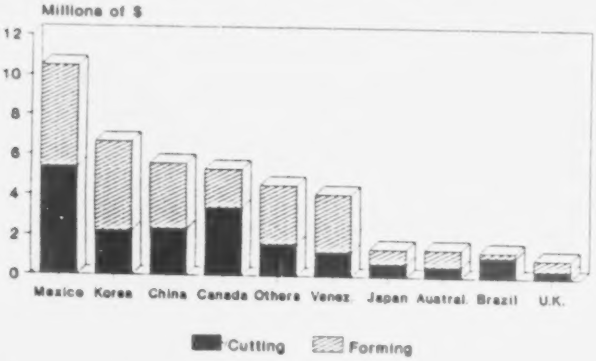
Imports of "other manufacturing technology," excluding parts and accessories and numerical controls, were $62.7 million in May, down 6% from April. Imports of injection molding machines for rubber or other thermosetting dropped 69% from April to $5.4 million. Imports of injection molding machinery for thermoplastics rose 19% during May to $26.2 million; Japan, Canada, and Italy supplied $16.0 million, $3.2 million, and $3.1 million, respectively. Imports of extruders for processing thermoplastics rose 28% from April to May, to $3.5 million. Of this total, Switzerland exported 17 machines for a total of $0.95 million, up from zero in April.

MONTHLY FOCUS

U.S. Exports of Used or Rebuilt Machine Tools

Total year-to-date May 1989 exports of used or rebuilt machine tools were $49.0 million, of which $26.3 million was metal forming and $22.7 million was metal cutting machine tools. Imports year-to-date were $6.2 million and $18.3 million, respectively. Mexico was the top export market for both used or rebuilt metal cutting and used or rebuilt metal forming machine tools. U.S. exports are well dispersed: exports to nine countries have exceeded $1 million so far this year. Also noteworthy are the exports to minor markets (the "all other" category in the data attached) that collectively received $4.5 million in used or rebuilt machine tools so far this year.

U.S. Exports of Used or Rebuilt Machines
Year-to-date May 1989



Note: "Others" in this chart refers to the category "all others" in the detailed data attached.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 89

RELEASED: August 18, 1989

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	271	4233	40	426
8462100030	Headers and upsetters, including cold headers	28	5984	13	1660
8462100050	Forging or die stamping machines, and hammers, n.e.c.	266	10343	50	1506
8462210080	Bending, folding, straight. or flat. mach., incl presses, NC	165	11090	36	3510
8462290030	Press brakes, non-NC	17	824	8	324
8462290040	Bending rolls, non-NC	38	1241	8	255
8462290050	Bending, folding, straight., or flat., n.e.c., non-NC	260	9625	39	3331
8462310080	Shearing machines, NC	31	2753	5	254
8462390050	Shearing machines, non-NC	70	1801	11	338
8462410080	Punching or notching mach., incl. comb. punch & shear, NC	62	9884	12	1597
8462490050	Punching or notching mach., incl. comb. punch & sh., non-NC	316	10936	46	3648
8462910060	Hydraulic presses, NC	38	1505	6	419
8462910090	Hydraulic presses, non-NC	267	9587	113	2539
8462990030	Presses, n.e.c., NC	26	3487	2	339
8462990040	Presses, mechanical, non-NC	83	3354	5	93
8462990060	Presses, n.e.c., non-NC	241	11293	46	2352
8463100080	Draw benches for bars, tubes, profiles, wire or the like	140	3020	8	181
8463200080	Thread rolling machines	24	2322	6	141
8463300080	Machines for working wire	494	17603	78	2058
8463900080	Metal forming machine tools, n.e.c.	1221	52063	436	9415
9800000002	Used or rebuilt machine tools	1678	26281	243	3507
9900000002	Machine tools valued at less than $2,500	2762	2081	761	582
	Forming Total			1972	38474
	Y-T-D Forming Total	8498	201308		
	NC Y-T-D Forming Total	322	28718		
	Cutting and Forming Totals:				
	Monthly Total			6061	69098
	Y-T-D Total	31788	379382		
	NC Y-T-D Total*	881	90798		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	281398	0	62206
2710003070	Quenching or cutting oils	0	4603	0	1081
8428900010	Industrial robots for lifting, handling, loading or unload	453	5067	37	88
8456100000	Laser, light or photon beam for working any material	1732	17920	93	5581
8456200000	Ultrasonic process for working any material	71	307	3	148
8477106010	Injection molding mach., for rubber or oth. thermosetting	122	11594	32	2670
8477106050	Injection molding mach., for thermoplastics	159	23332	27	3824
8477200010	Extruders for rubber or other thermosetting materials	96	4098	11	379
8477200050	Extruders for processing thermoplastics	423	15316	41	3085
8477300000	Blow molding machines	185	16445	49	5316
8477400000	Vacuum-molding and other thermoforming machines	683	6827	83	1618
8479899040	Industrial robots, n.e.c.	975	13406	176	2402
8479900040	Industrial robot parts	0	5418	0	1011
8537100030	Numerical controls for controlling machine tools	6517	15888	573	3360
9024100000	Machines and appliances for testing metals	0	35392	0	6322
9031100000	Machines for balancing mechanical parts	0	11809	0	2291
9031300000	Profile projectors	0	3709	0	301
9032810040	Industrial process control instr., hydraulic or pneumatic	256237	15943	46908	3246

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 89

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	17	0	0	0	0	0	0	17	210
8462100030	0	0	0	0	0	0	0	0	3	62
8462100050	1	11	0	0	0	0	0	0	9	124
8462210080	1	18	0	0	0	0	0	0	2	179
8462290030	0	0	0	0	0	0	0	0	1	3
8462290040	1	25	0	0	0	0	0	0	3	45
8462290050	2	25	0	0	0	0	0	0	9	373
8462310080	0	0	0	0	0	0	0	0	1	58
8462390050	0	0	0	0	0	0	0	0	4	85
8462410080	0	0	0	0	0	0	1	83	6	739
8462490050	0	0	0	0	0	0	0	0	5	126
8462910060	0	0	0	0	0	0	0	0	0	0
8462910090	0	0	0	0	2	21	0	0	10	277
8462990030	0	0	0	0	0	0	0	0	0	0
8462990040	0	0	0	0	0	0	0	0	1	10
8462990060	0	0	0	0	0	0	0	0	5	118
8463100080	0	0	0	0	0	0	0	0	0	0
8463200080	0	0	0	0	0	0	0	0	2	30
8463300080	1	6	0	0	0	0	0	0	8	182
8463900080	1	8	0	0	7	183	0	0	4	26
9800000002	1	24	0	0	0	0	0	0	47	483
9900000002	17	15	0	0	5	4	0	0	312	256
Month Tot	27	149	0	0	14	207	1	83	449	3386
Y-T-D Tot	204	4022	103	616	89	888	46	1837	1286	18632
NC YTD Tot	8	621	0	0	0	0	6	291	65	6729
C&F Month	102	938	1	16	18	610	36	861	2366	9614
C&F Y-T-D	478	7678	137	1071	194	4053	253	5251	12024	42924
C&F NC YTD	16	1151	0	0	22	2484	7	522	162	15002

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
1000000000	0	731	0	125	0	771	0	435	0	11987
2710003070	0	27	0	0	0	3	0	0	0	141
8428900010	0	0	0	0	0	0	0	0	22	66
8456100000	0	0	0	0	0	0	0	0	20	585
8456200000	0	0	0	0	0	0	0	0	1	84
8477106010	0	0	0	0	0	0	0	0	2	84
8477106050	0	0	0	0	0	0	1	165	13	850
8477200010	0	0	0	0	0	0	0	0	1	50
8477200050	4	896	0	0	0	0	0	0	13	248
8477300000	0	0	0	0	0	0	0	0	7	1173
8477400000	5	27	0	0	0	0	0	0	19	76
8479899040	0	0	1	3	0	0	0	0	20	911
8479900040	0	12	0	0	0	0	0	0	0	255
8537100030	8	43	0	0	0	0	0	0	55	236
9024100000	0	41	0	14	0	89	0	17	0	884
9031100000	0	0	0	0	0	0	0	0	0	608
9031300000	0	0	0	0	0	0	0	13	0	0
9032810040	1368	75	130	6	1224	65	0	0	1409	233

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 89

Metal Forming

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	18	7	72	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
8462100050	0	0	0	0	0	0	0	0	0	0
8462210080	0	0	0	0	1	88	0	0	1	1120
8462290030	0	0	0	0	6	289	0	0	0	0
8462290040	0	0	0	0	0	0	0	0	0	0
8462290050	0	0	2	65	0	0	0	0	0	0
8462310080	0	0	0	0	0	0	0	0	0	0
8462390050	0	0	1	32	0	0	0	0	0	0
8462410080	0	0	0	0	0	0	0	0	0	0
8462490050	3	76	0	0	1	3	0	0	0	0
8462910060	1	7	0	0	0	0	0	0	0	0
8462910090	0	0	3	27	0	0	0	0	0	0
8462990030	0	0	0	0	0	0	0	0	0	0
8462990040	0	0	0	0	0	0	0	0	0	0
8462990060	0	0	2	459	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
8463200080	0	0	1	40	0	0	0	0	0	0
8463300080	0	0	3	52	0	0	0	0	0	0
8463900080	0	0	2	28	1	583	1	29	2	50
9800000002	3	696	3	43	0	0	0	0	3	107
9900000002	0	0	79	34	9	8	0	0	0	0
Month Tot	7	779	97	798	25	1043	1	29	6	1277
Y-T-D Tot	161	6730	254	3559	71	4737	6	107	89	4817
NC YTD Tot	18	437	2	61	3	190	0	0	2	2208
C&F Month	68	2575	245	1688	33	1192	3	934	68	1984
C&F Y-T-D	475	19587	692	10514	214	8562	81	2113	289	11534
C&F NC YTD	93	8689	36	4906	7	1529	1	596	7	3155

Other Manufacturing Technology

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	657	0	1466	0	1039	0	4	0	1173
2710003070	0	8	0	13	0	0	0	5	0	17
8428900010	0	0	0	0	0	0	0	0	0	0
8456100000	0	0	0	0	0	0	0	0	0	0
8456200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	40	0	0	0	0	0	0
8477106050	0	0	0	0	0	0	0	0	0	0
8477200010	0	0	0	0	0	0	0	0	0	0
8477200050	0	0	0	0	0	0	0	0	0	0
8477300000	0	0	1	1424	0	0	0	0	0	0
8477400000	8	815	1	8	0	0	0	0	2	74
8479899040	0	0	5	419	0	0	0	0	0	0
8479900040	0	11	0	58	0	0	0	0	0	70
8537100030	7	258	48	249	0	0	0	0	16	87
9024100000	0	498	0	48	0	15	0	0	0	312
9031100000	0	0	0	0	0	0	0	4	0	16
9031300000	0	0	0	0	0	0	0	0	0	0
9032810040	18	23	2826	181	0	0	0	0	6630	511

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	8	79	0	0
8462100030	8	615	0	0	0	0	1	5	0	0
8462100050	26	634	1	30	0	0	4	58	0	0
8462210080	11	1394	4	131	0	0	4	155	0	0
8462290030	0	0	0	0	0	0	1	32	0	0
8462290040	0	0	0	0	0	0	3	132	0	0
8462290050	5	882	3	1047	0	0	7	291	1	10
8462310080	0	0	2	52	0	0	0	0	1	40
8462390050	0	0	0	0	0	0	3	144	0	0
8462410080	0	0	1	270	0	0	1	58	3	447
8462490050	1	16	9	2923	0	0	20	239	0	0
8462910060	0	0	0	0	0	0	3	138	1	84
8462910090	2	1167	7	81	0	0	81	535	0	0
8462990030	1	189	0	0	0	0	0	0	0	0
8462990040	0	0	0	0	1	51	0	0	0	0
8462990060	0	0	1	272	0	0	31	745	0	0
8463100080	2	48	0	0	0	0	1	14	0	0
8463200080	0	0	0	0	0	0	0	0	0	0
8463300080	2	31	0	0	0	0	1	4	0	0
8463900080	5	279	72	3646	0	0	12	157	1	4
9800000002	1	30	4	124	1	95	140	1081	0	0
9900000002	11	7	5	2	0	0	34	40	0	0
Month Tot	75	5292	109	8577	2	146	355	3906	7	584
Y-T-D Tot	455	29475	555	27306	10	422	1460	17972	60	1408
NC YTD Tot	72	5809	12	1464	1	105	26	1400	10	1032
C&F Month	417	6544	311	12251	9	422	776	8619	13	688
C&F Y-T-D	2229	41293	1025	45690	64	321	4751	41307	372	4396
C&F NC YTD	101	8500	43	7530	3	174	86	6842	27	2909

Other Manufacturing Technology

	Japan		Korea		Malaysia		Mexico		Netherlands	
1000000000	0	5512	0	6861	0	244	0	4893	0	501
2710003070	0	31	0	26	0	2	0	50	0	0
8428900010	0	0	0	0	0	0	14	5	0	0
8456100000	24	1633	0	0	0	0	2	47	0	0
8456200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	235	0	0	21	1635	0	0
8477106050	0	0	2	1291	0	0	5	1173	0	0
8477200010	0	0	0	0	0	0	9	308	0	0
8477200050	6	61	0	0	0	0	4	288	0	0
8477300000	0	0	0	0	0	0	35	877	0	0
8477400000	10	51	1	6	0	0	2	53	0	0
8479899040	3	13	2	10	0	0	2	14	0	0
8479900040	0	198	0	0	0	0	0	37	0	0
8537100030	3	15	24	139	0	0	6	25	19	105
9024100000	0	1096	0	149	0	0	0	133	0	54
9031100000	0	2	0	159	0	0	0	159	0	0
9031300000	0	232	0	14	0	0	0	0	0	0
9032810040	3925	258	336	64	0	0	4199	79	3747	211

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
8462100050	0	0	0	0	0	0	0	0	0	0
8462210080	0	0	0	0	0	0	0	0	0	0
8462290030	0	0	0	0	2	61	0	0	0	0
8462290040	0	0	0	0	0	0	0	0	0	0
8462290050	1	50	0	0	1	14	0	0	0	0
8462310080	0	0	0	0	0	0	0	0	1	5
8462390050	0	0	0	0	0	0	0	0	0	0
8462410080	0	0	0	0	0	0	0	0	0	0
8462490050	0	0	0	0	0	0	0	0	0	0
8462910060	0	0	0	0	0	0	1	3	1	19
8462910090	0	0	0	0	0	0	0	0	1	191
8462990030	0	0	0	0	0	0	1	215	0	0
8462990040	0	0	0	0	0	0	0	0	0	0
8462990060	0	0	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
8463200080	0	0	0	0	0	0	0	0	0	0
8463300080	0	0	4	88	0	0	0	0	0	0
8463900080	1	100	3	117	1	7	0	0	8	201
9800000002	3	134	0	0	0	0	1	777	7	168
9900000002	4	9	0	0	0	0	3	37	2	17
							0	0	0	0
Month Tot	9	293	7	205	4	82	6	1032	20	601
Y-T-D Tot	109	6087	77	2428	32	918	88	5565	46	1281
NC YTD Tot	14	2436	0	0	6	284	7	924	1	191
C&F Month	50	1215	8	211	46	368	157	1715	23	701
C&F Y-T-D	659	9298	267	3734	159	2873	479	9427	107	1970
C&F NC YTD	33	3405	1	677	17	1646	16	1740	6	369

Other Manufacturing Technology

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	787	0	430	0	815	0	902	0	336
2710003070	0	33	0	7	0	0	0	351	0	8
8428900010	0	0	0	0	0	0	0	0	0	0
8456100000	0	0	2	41	0	0	3	311	0	0
8456200000	0	0	2	63	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
8477106050	0	0	0	0	0	0	0	0	0	0
8477200010	0	0	0	0	0	0	0	0	0	0
8477200050	0	0	0	0	0	0	0	0	0	0
8477300000	0	0	0	0	0	0	0	0	0	0
8477400000	0	0	0	0	0	0	0	0	0	0
8479899040	2	13	0	0	0	0	29	162	0	0
8479900040	0	18	0	0	0	0	0	6	0	0
8537100030	2	14	12	39	0	0	8	44	0	0
9024100000	0	110	0	404	0	51	0	189	0	4
9031100000	0	143	0	15	0	5	0	0	0	2
9031300000	0	0	0	0	0	0	0	3	0	0
9032810040	824	105	3378	175	244	15	2269	148	1258	63

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

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Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	23	0	0	0	0	2	2	1	5
8462100030	0	0	0	0	0	0	0	0	1	979
8462100050	1	21	0	0	1	15	0	0	7	613
8462210080	9	345	0	0	0	0	0	0	1	19
8462290030	0	0	0	0	0	0	0	0	0	0
8462290040	0	0	0	0	0	0	0	0	1	54
8462290050	5	548	0	0	0	0	1	16	1	5
8462310080	0	0	0	0	0	0	0	0	1	104
8462390050	1	14	0	0	0	0	0	0	2	63
8462410080	0	0	0	0	0	0	0	0	0	0
8462490050	1	23	0	0	0	0	1	14	3	206
8462910060	0	0	0	0	0	0	0	0	0	0
8462910090	0	0	0	0	2	18	1	7	4	192
8462990030	1	150	0	0	0	0	0	0	0	0
8462990040	0	0	0	0	0	0	0	0	3	32
8462990060	1	179	0	0	2	26	3	545	1	8
8463100080	2	27	0	0	0	0	1	11	2	81
8463200080	0	0	0	0	0	0	0	0	3	70
8463300080	20	503	0	0	2	93	9	777	20	121
8463900080	15	330	0	0	0	0	3	23	297	2902
9800000002	3	145	0	0	3	55	5	67	21	370
9900000002	43	23	0	0	16	13	139	119	87	52
Month Tot	104	2331	0	0	26	221	165	1579	456	5875
Y-T-D Tot	644	23139	2	108	125	4499	408	10280	2118	24476
NC YTD Tot	36	1959	2	108	2	55	3	276	26	2140
C&F Month	204	3339	1	20	33	676	336	2749	737	9166
C&F Y-T-D	1652	37272	5	798	335	8894	1225	18449	3622	39872
C&F NC YTD	92	8869	2	108	5	257	17	2795	81	6946

Other Manufacturing Technology

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	6890	0	8	0	1838	0	4707	0	9096
2710003070	0	6	0	0	0	91	0	18	0	244
8428900010	0	0	0	0	0	0	1	17	0	0
8456100000	1	423	0	0	0	0	1	648	40	1893
8456200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	4	565	1	40	0	0	2	72
8477106050	3	202	0	0	2	107	0	0	1	36
8477200010	0	0	0	0	0	0	1	21	0	0
8477200050	4	39	0	0	1	693	2	96	7	765
8477300000	0	0	4	1531	0	0	0	0	2	312
8477400000	24	427	0	0	0	0	0	0	11	82
8479899040	12	70	0	0	0	0	100	788	0	0
8479900040	0	236	0	0	0	0	0	61	0	51
8537100030	193	1429	0	0	0	0	125	360	47	320
9024100000	0	823	0	80	0	0	0	847	0	465
9031100000	0	809	0	0	0	0	0	34	0	337
9031300000	0	0	0	0	0	0	0	39	0	0
9032810040	3734	379	0	0	78	28	2047	158	7264	467

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulga-ia	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	0	0	24	34	24	34
East Germany	0	0	0	0	0	0
Finland	0	0	2	56	2	56
Greece	2	11	1	94	3	105
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	3	58	2	650	5	708
Luxembourg	0	0	0	0	0	0
Norway	0	0	29	25	29	25
Poland	2	183	0	0	2	183
Portugal	3	2	0	0	3	2
Romania	0	0	0	0	0	0
Sweden	42	664	4	1492	46	2156
Turkey	10	450	2	127	12	577
Yugoslavia	0	0	4	68	4	68
Oth Europe	0	0	0	0	0	0
TOTAL	598	5979	472	9608	1070	15588
NORTH AND CENTRAL AMERICA						
Bahamas	6	4	2	7	8	10
Barbados	0	0	0	0	0	0
Belize	0	0	0	0	0	0
Bermuda	2	50	0	0	2	50
Costa Rica	0	0	1	21	1	21
Dominican Rep	2	127	0	0	2	127
El Salvador	3	253	0	0	3	253
Guatemala	0	0	1	732	1	732
Haiti	0	0	6	2	6	2
Honduras	0	0	0	0	0	0
Jamaica	3	5	8	88	11	93
Panama	0	0	0	0	0	0
Trinidad	0	0	0	0	0	0
Oth N & C Am.	1	2	3	45	4	47
TOTAL	2355	11382	825	8187	3180	19569
SOUTH AMERICA						
Argentina	8	734	2	23	10	757
Bolivia	0	0	0	0	0	0
Chile	3	8	289	1278	292	1286
Colombia	30	80	17	288	47	369
Ecuador	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	6	31	6	31
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	83	2057	341	1924	424	3980
OCEANIA						
New Zealand	1	6	0	0	1	6
Oth Oceania	0	0	0	0	0	0
TOTAL	76	796	27	149	103	944

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Metal Cutting and Metal Forming Machine Tool Totals
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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	114	324	34	373	148	697
Iran	0	0	0	0	0	0
Iraq	0	0	3	180	3	180
Israel	2	47	6	70	8	117
Jordan	2	12	0	0	2	12
Kuwait	1	8	0	0	1	8
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	24	38	0	0	24	38
Qatar	0	0	0	0	0	0
Saudi Arabia	4	105	1	10	5	115
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	0	0	0	0	0	0
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	964	10291	298	18424	1262	28716
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	1	21	0	0	1	21
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	2	15	0	0	2	15
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	10	83	6	2	16	85
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	3	180	3	180
TOTAL	13	119	9	182	22	301

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include codes 8456300000 and 9000000001.

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		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	305	2640	4	197
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	11	1610	1	153
8457100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	3	646	0	0
8457100035	Horiz. mach. ctrs., ATC	22	9125	3	948
8457100045	Mach. ctrs., n.e.c.	77	5903	24	2240
8457200010	Unit construction mach. (single station transfer), NC	3	2683	0	0
8457200090	Unit construction mach. (single station transfer), non-NC	3	884	1	210
8457300010	Multi-station transfer machines, NC	1	167	0	0
8457300090	Multi-station transfer machines, non-NC	13	2913	3	423
8458110010	Horiz. lathes, multiple spindle, NC	0	0	0	0
8458110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	82	6801	7	536
8458110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	14	2250	5	570
8458110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	4	385	1	99
8458190030	Horiz. engine or toolroom lathes, non-NC	44	901	6	128
8458190050	Automatic bar and/or chucking mach., single spindle, non-NC	13	51	0	0
8458190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	18	1782	5	425
8458190090	Horiz. lathes, n.e.c., non-NC	87	1097	18	163
8458911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
8458911080	Vertical turret lathes, n.e.c., NC	2	139	1	80
8458915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
8458915070	Vertical lathes, excl. VTL's, n.e.c., NC	3	420	0	0
8458991050	Vertical turret lathes, non-NC	9	205	0	0
8458995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	40	2184	8	657
8459100000	Way-type unit head machines	10	2600	3	544
8459210080	Other drilling machines, NC	26	2136	7	860
8459290040	Drilling machines, multiple spindle, non-NC	12	697	8	273
8459290050	Drilling machines, radial, non-NC	17	557	4	46
8459290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	19	535	4	208
8459290090	Drilling machines, n.e.c., non-NC	42	2778	16	1100
8459310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	4	1692	0	0
8459310040	Boring-milling mach., horiz. spindle, n.e.c., NC	1	366	0	0
8459310070	Boring-milling mach., n.e.c., NC	16	1365	3	302
8459390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	30	0	0
8459390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	95	1506	2	914
8459400040	Boring machines, vertical, NC	2	1182	1	496
8459400050	Boring machines, vertical, non-NC	10	156	1	11
8459400070	Boring machines, n.e.c., NC	1	1350	0	0
8459400080	Boring machines, n.e.c., non-NC	15	1521	3	89
8459510080	Milling machines, knee type, NC	11	911	4	162
8459590030	Milling machines, knee type, non-NC	10	285	4	85
8459610080	Milling machines, excl. knee type, n.e.c., NC	15	2740	0	0
8459690050	Milling machines, profile, dup., or die sinking, non-NC	16	752	1	59
8459690070	Milling machines, bed type, non-NC	27	5353	1	1720
8459690090	Milling machines, n.e.c., non-NC	187	4338	25	350
8459700020	Threading or tapping machines, n.e.c., NC	4	128	2	45
8459700080	Threading or tapping machines, n.e.c., non-NC	122	4013	34	655
8460110080	Flat surface grinding mach., NC	63	4964	9	281
8460190010	Flat surface grinding mach., recip.-table type, non-NC	33	541	12	190
8460190050	Flat surface grinding mach., n.e.c., non-NC	67	3729	7	318
8460210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	127	9115	23	797
8460290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	18	1619	3	831
8460290030	Grinding mach., internal cylindrical, non-NC	29	1156	6	191
8460290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	216	6684	26	768
8460310080	Sharpening machines (tool & cutter grinding), NC	16	512	9	331
8460390050	Sharpening machines (tool & cutter grinding), non-NC	444	4232	50	500
8460400060	Honing or lapping machines, NC	0	0	0	0
8460400080	Honing or lapping machines, non-NC	313	3484	45	478
8460900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	23	2592	0	0
8460900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	223	4558	37	927
8461100060	Planing machines, NC	1	25	0	0
8461100080	Planing machines, non-NC	84	2425	23	674
8461200010	Shaping or slotting machines, NC	0	0	0	0
8461200090	Shaping or slotting machines, non-NC	14	391	5	249
8461300060	Broaching machines, NC	1	248	0	0
8461300080	Broaching machines, non-NC	9	870	3	38
8461401050	Gear hobbers	25	3831	1	342
8461401070	Gear shapers	11	343	2	44
8461401090	Gear cutting machines, n.e.c.	27	5161	4	689
8461405060	Gear grinding or finishing machines	26	2789	10	505
8461500050	Sawing or cutting-off machines, NC	12	818	5	61
8461500090	Sawing or cutting-off machines, non-NC	406	5412	76	841
9000000001	Metal cutting machine tools, n.e.c.	102	3083	15	591
9800000001	Used or rebuilt machine tools	3017	22727	469	5281
9900000001	Machine tools valued at less than $2,500	16566	6990	3039	948
	Cutting Total			4089	30624
	Y-T-D Cutting Total	23290	178074		
	NC Y-T-D Cutting Total*	559	62080		

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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	126
8457100015	0	0	0	0	0	0	0	0	1	153
8457100025	0	0	0	0	0	0	0	0	0	0
8457100035	0	0	0	0	0	0	0	0	1	197
8457100045	0	0	0	0	3	323	0	0	4	726
8457200010	0	0	0	0	0	0	0	0	0	0
8457200090	0	0	0	0	0	0	0	0	1	210
8457300010	0	0	0	0	0	0	0	0	0	0
8457300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
8458110030	2	121	0	0	1	79	0	0	3	249
8458110050	1	67	0	0	0	0	0	0	3	371
8458110090	0	0	0	0	0	0	0	0	1	99
8458190030	0	0	0	0	0	0	0	0	2	36
8458190050	0	0	0	0	0	0	0	0	0	0
8458190070	0	0	0	0	0	0	0	0	4	364
8458190090	2	8	0	0	0	0	0	0	1	5
8458911060	0	0	0	0	0	0	0	0	0	0
8458911080	0	0	0	0	0	0	0	0	0	0
8458915050	0	0	0	0	0	0	0	0	0	0
8458915070	0	0	0	0	0	0	0	0	0	0
8458991050	0	0	0	0	0	0	0	0	0	0
8458995090	0	0	0	0	0	0	0	0	4	363
8459100000	0	0	0	0	0	0	0	0	0	0
8459210080	0	0	0	0	0	0	0	0	0	0
8459290040	0	0	0	0	0	0	0	0	6	241
8459290050	0	0	0	0	0	0	0	0	0	0
8459290070	0	0	0	0	0	0	0	0	0	0
8459290090	0	0	0	0	0	0	0	0	8	720
8459310010	0	0	0	0	0	0	0	0	0	0
8459310040	0	0	0	0	0	0	0	0	0	0
8459310070	0	0	0	0	0	0	0	0	1	36
8459390040	0	0	0	0	0	0	0	0	0	0
8459390050	0	0	0	0	0	0	0	0	0	0
8459400040	0	0	0	0	0	0	0	0	0	0
8459400050	0	0	0	0	0	0	0	0	0	0
8459400070	0	0	0	0	0	0	0	0	0	0
8459400080	0	0	0	0	0	0	0	0	0	0
8459510080	0	0	0	0	0	0	0	0	1	57
8459590030	0	0	0	0	0	0	0	0	1	25
8459610080	0	0	0	0	0	0	0	0	0	0
8459690050	0	0	0	0	0	0	0	0	0	0
8459690070	0	0	0	0	0	0	0	0	0	0
8459690090	0	0	0	0	0	0	0	0	1	88
8459700020	0	0	0	0	0	0	0	0	2	45
8459700080	1	72	0	0	0	0	0	0	15	57
8460110080	0	0	0	0	0	0	0	0	1	20
8460190010	0	0	0	0	0	0	0	0	9	81
8460190050	0	0	0	0	0	0	1	22	3	43
8460210080	0	0	0	0	0	0	0	0	3	107
8460290010	0	0	0	0	0	0	0	0	1	52
8460290030	0	0	0	0	0	0	0	0	0	0
8460290050	3	222	0	0	0	0	0	0	6	51
8460310080	0	0	0	0	0	0	0	0	0	0
8460390050	0	0	0	0	0	0	1	86	20	158
8460400060	0	0	0	0	0	0	0	0	0	0
8460400080	7	67	1	16	0	0	0	0	7	80
8460900060	0	0	0	0	0	0	0	0	0	0
8460900080	0	0	0	0	0	0	0	0	6	30
8461100060	0	0	0	0	0	0	0	0	0	0
8461100080	0	0	0	0	0	0	0	0	0	0
8461200010	0	0	0	0	0	0	0	0	0	0
8461200090	0	0	0	0	0	0	0	0	2	207
8461300050	0	0	0	0	0	0	0	0	0	0
8461300080	0	0	0	0	0	0	0	0	1	8
8461401050	0	0	0	0	0	0	0	0	0	0
8461401070	0	0	0	0	0	0	0	0	0	0
8461401090	0	0	0	0	0	0	0	0	0	0
8461405060	0	0	0	0	0	0	0	0	1	42
8461500050	0	0	0	0	0	0	0	0	5	61
8461500090	2	21	0	0	0	0	0	0	23	255
9000000001	0	0	0	0	0	0	0	0	4	89
9800000001	2	165	0	0	0	0	1	648	32	568
9900000001	55	47	0	0	0	0	32	23	1731	209
Month Tot	75	789	1	16	4	402	35	779	1917	6228
Y-T-D Tot	274	3656	34	455	105	3165	207	3414	10738	24293
NC YTD Tot*	8	530	0	0	22	2484	1	231	97	8273

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	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
8457100025	0	0	0	0	0	0	0	0	0	0
8457100035	1	615	0	0	0	0	0	0	0	0
8457100045	0	0	0	0	0	0	0	0	0	0
8457200010	0	0	0	0	0	0	0	0	0	0
8457200090	0	0	0	0	0	0	0	0	0	0
8457300010	0	0	0	0	0	0	0	0	0	0
8457300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
8458110030	0	0	0	0	0	0	0	0	0	0
8458110050	0	0	0	0	0	0	0	0	0	0
8458110090	0	0	0	0	0	0	0	0	0	0
8458190030	0	0	0	0	0	0	0	0	0	0
8458190050	0	0	0	0	0	0	0	0	0	0
8458190070	0	0	0	0	0	0	0	0	0	0
8458190090	0	0	0	0	0	0	0	0	0	0
8458911060	0	0	0	0	0	0	0	0	0	0
8458911080	0	0	0	0	0	0	0	0	0	0
8458915050	0	0	0	0	0	0	0	0	0	0
8458915070	0	0	0	0	0	0	0	0	0	0
8458991050	0	0	0	0	0	0	0	0	0	0
8458995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
8459210080	0	0	0	0	0	0	0	0	0	0
8459290040	0	0	0	0	0	0	0	0	0	0
8459290050	0	0	0	0	0	0	0	0	0	0
8459290070	0	0	0	0	0	0	0	0	0	0
8459290090	0	0	0	0	0	0	0	0	0	0
8459310010	0	0	0	0	0	0	0	0	0	0
8459310040	0	0	0	0	0	0	0	0	0	0
8459310070	0	0	0	0	0	0	0	0	0	0
8459390040	0	0	0	0	0	0	0	0	0	0
8459390050	0	0	0	0	0	0	1	903	0	0
8459400040	0	0	0	0	0	0	0	0	0	0
8459400050	0	0	0	0	0	0	0	0	0	0
8459400070	0	0	0	0	0	0	0	0	0	0
8459400080	0	0	0	0	0	0	0	0	0	0
8459510080	0	0	0	0	0	0	0	0	0	0
8459590030	0	0	0	0	0	0	0	0	0	0
8459610080	0	0	0	0	0	0	0	0	0	0
8459690050	0	0	0	0	0	0	0	0	0	0
8459690070	0	0	0	0	0	0	0	0	0	0
8459690090	0	0	0	0	0	0	0	0	0	0
8459700020	0	0	0	0	0	0	0	0	0	0
8459700080	0	0	3	367	0	0	0	0	0	0
8460110080	0	0	0	0	1	30	0	0	0	0
8460190010	0	0	0	0	0	0	0	0	0	0
8460190050	0	0	0	0	0	0	0	0	0	0
8460210080	7	254	0	0	0	0	0	0	0	0
8460290010	1	125	0	0	0	0	0	0	0	0
8460290030	0	0	0	0	0	0	0	0	0	0
8460290050	0	0	0	0	0	0	0	0	4	23
8460310080	0	0	0	0	0	0	0	0	0	0
8460390050	0	0	0	0	0	0	0	0	0	0
8460400060	0	0	0	0	0	0	0	0	0	0
8460400080	5	71	0	0	1	16	0	0	0	0
8460900060	0	0	0	0	0	0	0	0	0	0
8460900080	1	22	7	31	0	0	0	0	1	17
8461100060	0	0	0	0	0	0	0	0	0	0
8461100080	0	0	0	0	0	0	0	0	1	17
8461200010	0	0	0	0	0	0	0	0	0	0
8461200090	0	0	0	0	0	0	0	0	0	0
8461300060	0	0	0	0	0	0	0	0	0	0
8461300080	0	0	0	0	0	0	0	0	1	20
8461401050	0	0	1	342	0	0	0	0	0	0
8461401070	0	0	0	0	0	0	0	0	0	0
8461401090	0	0	0	0	1	100	0	0	1	477
8461405060	0	0	0	0	0	0	0	0	4	118
8461500050	0	0	0	0	0	0	0	0	0	0
8461500090	0	0	0	0	0	0	0	0	0	0
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	46	710	12	145	0	0	0	0	1	3
9900000001	0	0	125	6	5	3	1	2	49	31
Month Tot	61	1797	148	891	8	149	2	905	62	707
Y-T-D Tot	314	12857	438	6955	143	3825	75	2006	200	6718
NC YTD Tot*	75	8252	34	4844	4	1339	1	596	5	947

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	33	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
8457100025	0	0	0	0	0	0	0	0	0	0
8457100035	0	0	0	0	0	0	0	0	0	0
8457100045	0	0	3	402	0	0	12	689	0	0
8457200010	0	0	0	0	0	0	0	0	0	0
8457200090	0	0	0	0	0	0	0	0	0	0
8457300010	0	0	0	0	0	0	0	0	0	0
8457300090	0	0	0	0	0	0	1	90	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
8458110030	0	0	0	0	0	0	0	0	0	0
8458110050	0	0	0	0	0	0	1	133	0	0
8458110090	0	0	0	0	0	0	0	0	0	0
8458190030	0	0	0	0	0	0	0	0	0	0
8458190050	0	0	0	0	0	0	0	0	0	0
8458190070	0	0	0	0	0	0	0	0	0	0
8458190090	3	36	0	0	0	0	8	76	2	8
8458911060	0	0	0	0	0	0	0	0	0	0
8458911080	0	0	0	0	0	0	1	80	0	0
8458915050	0	0	0	0	0	0	0	0	0	0
8458915070	0	0	0	0	0	0	0	0	0	0
8458991050	0	0	0	0	0	0	0	0	0	0
8458995090	0	0	0	0	2	181	0	0	0	0
8459100000	0	0	0	0	0	0	3	544	0	0
8459210080	0	0	0	0	0	0	5	343	0	0
8459290040	0	0	0	0	0	0	0	0	0	0
8459290050	0	0	0	0	0	0	0	0	0	0
8459290070	0	0	0	0	0	0	0	0	0	0
8459290090	0	0	1	98	0	0	3	23	0	0
8459310010	0	0	0	0	0	0	0	0	0	0
8459310040	0	0	0	0	0	0	0	0	0	0
8459310070	0	0	1	85	0	0	1	181	0	0
8459390040	0	0	0	0	0	0	0	0	0	0
8459390050	0	0	0	0	0	0	0	0	0	0
8459400040	0	0	1	496	0	0	0	0	0	0
8459400050	0	0	0	0	0	0	1	11	0	0
8459400070	0	0	0	0	0	0	0	0	0	0
8459400080	0	0	0	0	0	0	2	39	0	0
8459510080	0	0	0	0	2	69	0	0	0	0
8459590030	0	0	0	0	0	0	1	17	0	0
8459610080	0	0	0	0	0	0	0	0	0	0
8459690050	0	0	0	0	0	0	0	0	0	0
8459690070	0	0	1	1720	0	0	0	0	0	0
8459690090	0	0	1	17	0	0	20	150	0	0
8459700020	0	0	0	0	0	0	0	0	0	0
8459700080	1	111	0	0	0	0	1	3	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
8460190010	1	96	0	0	0	0	1	7	0	0
8460190050	1	33	0	0	0	0	0	0	0	0
8460210080	1	24	0	0	0	0	0	0	0	0
8460290010	0	0	0	0	0	0	0	0	0	0
8460290030	0	0	0	0	0	0	1	25	0	0
8460290050	0	0	0	0	0	0	7	176	0	0
8460310080	6	223	0	0	0	0	0	0	0	0
8460390050	0	0	0	0	2	13	2	63	0	0
8460400060	0	0	0	0	0	0	0	0	0	0
8460400080	0	0	1	14	1	14	2	21	0	0
8460900060	0	0	0	0	0	0	0	0	0	0
8460900080	0	0	5	493	0	0	2	7	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
8461100080	1	209	0	0	0	0	18	345	0	0
8461200010	0	0	0	0	0	0	0	0	0	0
8461200090	0	0	1	9	0	0	1	16	0	0
8461300060	0	0	0	0	0	0	0	0	0	0
8461300080	1	11	0	0	0	0	0	0	0	0
8461401050	0	0	0	0	0	0	0	0	0	0
8461401070	0	0	1	19	0	0	1	25	0	0
8461401090	0	0	0	0	0	0	1	59	1	53
8461405060	3	157	0	0	0	0	0	0	0	0
8461500050	0	0	0	0	0	0	0	0	0	0
8461500090	4	20	8	130	0	0	14	167	3	43
9000000001	0	0	0	0	0	0	8	106	0	0
9800000001	41	157	10	146	0	0	151	1207	0	0
9900000001	279	177	167	16	0	0	152	111	0	0
Month Tot	342	1252	202	3674	7	276	421	4713	6	104
Y-T-D Tot	1774	11819	470	18384	54	399	3291	23334	312	2988
NC YTD Tot*	29	2691	31	6066	2	69	60	5442	17	1877

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U.S. EXPORTS
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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
8457100025	0	0	0	0	0	0	0	0	0	0
8457100035	0	0	0	0	0	0	0	0	0	0
8457100045	0	0	0	0	0	0	0	0	0	0
8457200010	0	0	0	0	0	0	0	0	0	0
8457200090	0	0	0	0	0	0	0	0	0	0
8457300010	0	0	0	0	0	0	0	0	0	0
8457300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
8458110030	0	0	0	0	0	0	1	87	0	0
8458110050	0	0	0	0	0	0	0	0	0	0
8458110090	0	0	0	0	0	0	0	0	0	0
8458190030	0	0	0	0	0	0	0	0	1	67
8458190050	0	0	0	0	0	0	0	0	0	0
8458190070	0	0	0	0	0	0	0	0	0	0
8458190090	0	0	0	0	0	0	0	0	0	0
8458911060	0	0	0	0	0	0	0	0	0	0
8458911080	0	0	0	0	0	0	0	0	0	0
8458915050	0	0	0	0	0	0	0	0	0	0
8458915070	0	0	0	0	0	0	0	0	0	0
8458991050	0	0	0	0	0	0	0	0	0	0
8458995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
8459210080	0	0	0	0	0	0	0	0	0	0
8459290040	0	0	0	0	0	0	0	0	0	0
8459290050	0	0	0	0	0	0	0	0	0	0
8459290070	0	0	0	0	0	0	0	0	0	0
8459290090	0	0	0	0	0	0	0	0	0	0
8459310010	0	0	0	0	0	0	0	0	0	0
8459310040	0	0	0	0	0	0	0	0	0	0
8459310070	0	0	0	0	0	0	0	0	0	0
8459390040	0	0	0	0	0	0	0	0	0	0
8459390050	0	0	0	0	0	0	0	0	0	0
8459400040	0	0	0	0	0	0	0	0	0	0
8459400050	0	0	0	0	0	0	0	0	0	0
8459400070	0	0	0	0	0	0	0	0	0	0
8459400080	0	0	0	0	0	0	0	0	0	0
8459510080	0	0	0	0	0	0	0	0	0	0
8459590030	0	0	0	0	0	0	0	0	0	0
8459610080	0	0	0	0	0	0	0	0	0	0
8459690050	0	0	0	0	0	0	0	0	0	0
8459690070	0	0	0	0	0	0	0	0	0	0
8459690090	0	0	0	0	0	0	1	9	0	0
8459700020	0	0	0	0	0	0	0	0	0	0
8459700080	0	0	0	0	0	0	0	0	0	0
8460110080	5	176	0	0	0	0	0	0	0	0
8460190010	0	0	0	0	0	0	1	6	0	0
8460190050	0	0	0	0	0	0	0	0	0	0
8460210080	11	384	0	0	0	0	0	0	0	0
8460290010	0	0	0	0	0	0	0	0	0	0
8460290030	1	15	0	0	0	0	0	0	0	0
8460290050	0	0	0	0	0	0	0	0	0	0
8460310080	0	0	0	0	2	71	0	0	0	0
8460390050	0	0	0	0	16	107	0	0	0	0
8460400060	0	0	0	0	0	0	0	0	0	0
8460400080	2	17	0	0	0	0	0	0	0	0
8460900060	0	0	0	0	0	0	0	0	0	0
8460900080	0	0	1	6	6	55	1	10	1	8
8461100060	0	0	0	0	0	0	0	0	0	0
8461100080	0	0	0	0	0	0	0	0	0	0
8461200010	0	0	0	0	0	0	0	0	0	0
8461200090	0	0	0	0	0	0	0	0	0	0
8461300060	0	0	0	0	0	0	0	0	0	0
8461300080	0	0	0	0	0	0	0	0	0	0
8461401050	0	0	0	0	0	0	0	0	0	0
8461401070	0	0	0	0	0	0	0	0	0	0
8461401090	0	0	0	0	0	0	0	0	0	0
8461405060	0	0	0	0	1	10	0	0	0	0
8461500050	0	0	0	0	0	0	0	0	0	0
8461500090	0	0	0	0	0	0	0	0	1	24
9000000001	0	0	0	0	1	3	0	0	0	0
9800000001	11	317	0	0	16	41	121	555	0	0
9900000001	11	13	0	0	0	0	26	15	0	0
Month Tot	41	922	1	6	42	286	151	683	3	100
Y-T-D Tot	550	3211	190	1306	127	1956	391	3862	61	689
NC YTD Tot*	19	969	1	677	11	1362	9	816	5	178

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - May 89

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	39
8457100015	0	0	0	0	0	0	0	0	0	0
8457100025	0	0	0	0	0	0	0	0	0	0
8457100035	1	135	0	0	0	0	0	0	0	0
8457100045	1	54	0	0	0	0	0	0	1	45
8457200010	0	0	0	0	0	0	0	0	0	0
8457200090	0	0	0	0	0	0	0	0	0	0
8457300010	0	0	0	0	0	0	0	0	0	0
8457300090	0	0	0	0	0	0	0	0	2	333
8458110010	0	0	0	0	0	0	0	0	0	0
8458110030	0	0	0	0	0	0	0	0	0	0
8458110050	0	0	0	0	0	0	0	0	0	0
8458110090	0	0	0	0	0	0	0	0	0	0
8458190030	1	3	0	0	0	0	1	6	1	16
8458190050	0	0	0	0	0	0	0	0	0	0
8458190070	0	0	0	0	0	0	1	61	0	0
8458190090	0	0	0	0	0	0	0	0	2	29
8458911060	0	0	0	0	0	0	0	0	0	0
8458911080	0	0	0	0	0	0	0	0	0	0
8458915050	0	0	0	0	0	0	0	0	0	0
8458915070	0	0	0	0	0	0	0	0	0	0
8458991050	0	0	0	0	0	0	0	0	0	0
8458995090	0	0	0	0	0	0	2	113	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
8459210080	0	0	0	0	0	0	1	75	1	442
8459290040	0	0	0	0	0	0	0	0	2	32
8459290050	0	0	0	0	3	12	0	0	1	34
8459290070	3	203	0	0	0	0	0	0	1	5
8459290090	0	0	0	0	0	0	0	0	4	259
8459310010	0	0	0	0	0	0	0	0	0	0
8459310040	0	0	0	0	0	0	0	0	0	0
8459310070	0	0	0	0	0	0	0	0	0	0
8459390040	0	0	0	0	0	0	0	0	0	0
8459390050	0	0	0	0	0	0	0	0	1	11
8459400040	0	0	0	0	0	0	0	0	0	0
8459400050	0	0	0	0	0	0	0	0	0	0
8459400070	0	0	0	0	0	0	0	0	0	0
8459400080	0	0	0	0	0	0	1	50	0	0
8459510080	0	0	0	0	0	0	0	0	1	36
8459590030	2	43	0	0	0	0	0	0	0	0
8459610080	0	0	0	0	0	0	0	0	0	0
8459690050	0	0	0	0	0	0	1	59	0	0
8459690070	0	0	0	0	0	0	0	0	0	0
8459690090	0	0	0	0	0	0	0	0	2	86
8459700020	0	0	0	0	0	0	0	0	0	0
8459700080	0	0	0	0	0	0	5	15	8	31
8460110080	0	0	0	0	0	0	0	0	2	55
8460190010	0	0	0	0	0	0	0	0	0	0
8460190050	0	0	0	0	0	0	1	208	1	12
8460210080	1	29	0	0	0	0	0	0	0	0
8460290010	0	0	0	0	0	0	0	0	1	655
8460290030	1	52	0	0	0	0	3	99	0	0
8460290050	3	229	0	0	0	0	1	50	2	17
8460310080	0	0	0	0	0	0	0	0	1	37
8460390050	1	20	0	0	0	0	6	40	2	15
8460400060	0	0	0	0	0	0	0	0	0	0
8460400080	0	0	0	0	0	0	6	55	12	109
8460900060	0	0	0	0	0	0	0	0	0	0
8460900080	0	0	0	0	0	0	5	243	1	5
8461100060	0	0	0	0	0	0	0	0	0	0
8461100080	0	0	0	0	2	99	1	3	0	0
8461200010	0	0	0	0	0	0	0	0	0	0
8461200090	1	18	0	0	0	0	0	0	0	0
8461300060	0	0	0	0	0	0	0	0	0	0
8461300080	0	0	0	0	0	0	0	0	0	0
8461401050	0	0	0	0	0	0	0	0	0	0
8461401070	0	0	0	0	0	0	0	0	0	0
8461401090	0	0	0	0	0	0	0	0	0	0
8461405060	0	0	0	0	0	0	0	0	1	178
8461500050	0	0	0	0	0	0	0	0	0	0
8461500090	18	131	1	20	0	0	1	6	1	15
9000000001	0	0	0	0	0	0	1	37	1	355
9800000001	2	39	0	0	2	344	1	2	20	234
9900000001	65	54	0	0	0	0	133	36	208	207
Month Tot	100	1009	1	20	7	455	171	1170	281	3291
Y-T-D Tot	1008	14133	3	691	210	4394	817	8169	1504	15396
NC YTD Tot*	56	6910	0	0	3	202	14	2519	55	4806

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 89

RELEASED: August 18, 1989

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	2598	18832	428	5401
8462100030	Headers and upsetters, including cold headers	48	5205	7	1684
8462100050	Forging or die stamping machines, and hammers, n.e.c.	702	39159	148	7616
8462210080	Bending, folding, straight. or flat. mach., incl presses, NC	600	13943	419	4217
8462290030	Press brakes, non-NC	182	4780	26	776
8462290040	Bending rolls, non-NC	45	1326	1	4
8462290050	Bending, folding, straight., or flat., n.e.c., non-NC	465	20721	89	4632
8462310080	Shearing macnines, NC	20	2312	3	886
8462390050	Shearing machines, non-NC	276	6533	48	655
8462410080	Punching or notching mach., incl. comb. punch & shear, NC	132	14260	13	1914
8462490050	Punching or notching mach., incl. comb. punch & sh.. non-NC	230	5652	39	1355
8462910060	Hydraulic presses, NC	24	2345	8	984
8462910090	Hydraulic presses, non-NC	151	10532	25	896
8462990030	Presses, n.e.c., NC	30	4712	3	2043
8462990040	Presses, mechanical, non-NC	44	22962	19	2527
8462990060	Presses, n.e.c., non-NC	605	35301	106	5632
8463100080	Draw benches for bars, tubes, profiles, wire or the like	19	1577	1	5
8463200080	Thread rolling machines	19	921	1	3
8463300080	Machines for working wire	171	9237	69	2850
8463900080	Metal forming machine tools, n.e.c.	366	14404	46	4812
9800000002	Used or rebuilt machine tools	342	6227	63	908
9900000002	Machine tools valued at less than $2,500	8382	3028	836	487

	TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
Forming Total			2398	50288
Y-T-D Forming Total	15451	243970		
NC Y-T-D Forming Total	806	37572		
Cutting and Forming Totals:				
Monthly Total			59923	215811
Y-T-D Total	250380	1005932		
NC Y-T-D Total*	6003	527917		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	285315	0	58101
2710003070	Quenching or cutting oils	0	36	0	12
8428900010	Industrial robots for lifting, handling, loading or unload	748	20582	215	3834
8456101010	Laser, light or photon beam for working metal, NC	38	6041	8	1219
8456101020	Laser, light or photon beam for working metal, non-NC	10	793	6	177
8456105000	Laser, light or photon beam for other materials	1039	2175	106	684
8456201010	Ultrasonic processes for working metal, NC	4	421	1	260
8456201050	Ultrasonic processes for working metal, non-NC	10	22	0	0
8456205000	Ultrasonic processes for working other materials	119	384	6	22
8477106010	Injection molding mach., for rubber or oth. thermosetting	327	37431	67	5380
8477106050	Injection molding mach., for thermoplastics	1050	113875	207	26243
8477200010	Extruders for rubber or other thermosetting materials	78	12512	21	4753
8477200050	Extruders for processing thermoplastics	322	20804	64	3514
8477300000	Blow molding machines	110	17876	10	2138
8477400000	Vacuum-molding and other thermoforming machines	142	9869	62	1475
8479899040	Industrial robots, n.e.c.	9878	56846	1079	9911
8479900040	Industrial robot parts	0	0	0	0
8537100030	Numerical controls for controlling machine tools	4785	18584	573	3729
9024100000	Machines and appliances for testing metals	0	4798	0	1706
9031100000	Machines for balancing mechanical parts	0	2721	0	363
9031300000	Profile projectors	0	2584	0	535
9032810020	Industrial process control instr., hydraulic	73405	1300	11910	191
9032810060	Industrial process control instr., pneumatic	36971	1179	17013	278

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 89

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	350	263	0	0	4	131
8462100030	0	0	0	0	0	0	0	0	2	162
8462100050	0	0	0	0	35	1085	0	0	0	0
8462210080	25	705	0	0	0	0	0	0	0	0
8462290030	5	108	0	0	11	400	0	0	0	0
8462290040	0	0	0	0	0	0	0	0	0	0
8462290050	0	0	0	0	29	903	0	0	3	52
8462310080	1	33	0	0	0	0	0	0	0	0
8462390050	5	15	0	0	4	235	2	70	0	0
8462410080	0	0	0	0	0	0	0	0	1	44
8462490050	0	0	0	0	1	118	0	0	0	0
8462910060	0	0	0	0	3	217	0	0	0	0
8462910090	0	0	0	0	0	0	0	0	1	142
8462990030	0	0	0	0	0	0	0	0	0	0
8462990040	0	0	0	0	0	0	0	0	0	0
8462990060	1	524	0	0	34	2123	0	0	5	377
8463100080	0	0	0	0	0	0	0	0	0	0
8463200080	0	0	0	0	0	0	0	0	0	0
8463300080	50	1097	0	0	0	0	0	0	9	1076
8463900080	0	0	0	0	2	13	1	13	13	639
9800000002	4	124	0	0	18	83	0	0	4	155
9900000002	0	0	0	0	4	5	0	0	62	39
Month Tot	91	2607	0	0	491	5445	3	83	104	2816
Y-T-D Tot	259	8244	7	11	3236	24756	65	844	534	8583
NC YTD Tot	28	780	0	0	10	645	6	163	4	612
C&F Month	95	2611	37	327	717	7363	146	1326	2965	8274
C&F Y-T-D	316	11951	455	2606	5190	33186	856	13491	13136	29449
C&F NC YTD	34	978	4	239	21	1133	33	1501	102	7585

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	418	0	29	0	11322	0	740	0	1333
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	0	0	8	95	0	0	0	0
8456101010	0	0	0	0	0	0	0	0	0	0
8456101020	0	0	0	0	0	0	0	0	0	0
8456105000	0	0	0	0	0	0	0	0	0	0
8456201010	0	0	0	0	0	0	0	0	4	218
8456201050	0	0	0	0	0	0	0	0	0	0
8456205000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
8477106050	0	0	0	0	3	436	5	556	6	648
8477200010	0	0	0	0	25	3202	1	126	27	3113
8477200050	0	0	0	0	2	38	4	1156	2	135
8477300000	0	0	0	0	16	413	0	0	1	110
8477400000	0	0	0	0	0	0	0	0	0	0
8479899040	0	0	0	0	2	130	0	0	0	0
8479900040	0	0	0	0	1	34	0	0	0	0
8537100030	0	0	0	0	0	0	0	0	0	0
9024100000	0	0	0	0	0	0	0	0	0	0
9031100000	0	0	0	0	0	3	0	0	0	0
9031300000	0	0	0	0	0	29	0	23	0	3
9032810020	0	0	0	0	0	0	0	0	0	4
9032810060	0	0	0	0	0	0	1	8	0	0
							2	25	180	20

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 89

Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	12	3651	1	87	0	0	0	0	0	0
8462100030	3	343	0	0	0	0	0	0	0	0
8462100050	54	5113	0	0	1	3	0	0	0	0
8462210080	386	3300	0	0	0	0	0	0	0	0
8462290030	1	25	0	0	0	0	0	0	0	0
8462290040	0	0	0	0	0	0	0	0	0	0
8462290050	28	2807	0	0	0	0	0	0	1	4
8462310080	1	305	0	0	0	0	0	0	6	53
8462390050	2	41	0	0	6	83	0	0	0	0
8462410080	4	463	0	0	0	0	0	0	2	15
8462490050	7	714	1	5	0	0	0	0	0	0
8462910060	3	454	0	0	0	0	10	129	6	92
8462910090	11	229	0	0	0	0	0	0	2	313
8462990030	1	1947	0	0	0	0	0	0	1	194
8462990040	18	2522	0	0	0	0	0	0	0	0
8462990060	8	1837	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	5	104	25	67
8463200080	0	0	0	0	0	0	0	0	0	0
8463300080	5	555	0	0	0	0	0	0	0	0
8463900080	9	3611	0	0	0	0	0	0	1	63
9800000002	5	437	0	0	0	0	0	0	2	73
9900000002	184	110	52	26	0	0	0	0	3	16
									8	13
Month Tot	742	28463	54	119	7	86	15	233	57	903
Y-T-D Tot	2418	142348	58	157	42	603	171	735	185	4040
NC YTD Tot	562	23098	0	0	0	0	0	0	4	398
C&F Month	5980	129002	174	1771	59	1465	148	2218	214	1255
C&F Y-T-D	21387	593870	953	7894	349	6544	1045	9214	1410	7559
C&F NC YTD	3929	402300	68	3629	55	2848	234	2749	5	421

Other Manufacturing Technology

	Japan		Korea		Singapore		Spain		Sweden	
1000000000	0	17183	0	348	0	1010	0	278	0	1240
2710003070	0	0	0	0	0	0	0	1	0	0
8428900010	186	2632	0	0	0	0	0	0	16	580
8456101010	5	1011	0	0	0	0	0	0	0	0
8456101020	0	0	0	0	0	0	0	0	0	0
8456105000	91	212	0	0	0	0	0	0	0	0
8456201010	1	260	0	0	0	0	0	0	0	0
8456201050	0	0	0	0	0	0	0	0	0	0
8456205000	1	5	0	0	0	0	0	0	0	0
8477106010	20	2317	0	0	0	0	0	0	0	0
8477106050	94	15964	2	44	0	0	1	5	0	0
8477200010	3	1408	0	0	0	0	0	0	0	0
8477200050	1	57	0	0	0	0	0	0	0	0
8477300000	3	812	0	0	0	0	0	0	0	0
8477400000	5	23	0	0	0	0	0	0	3	24
8479899040	259	8105	0	0	0	0	0	0	11	516
8479900040	0	0	0	0	0	0	0	0	0	0
8537100030	511	3692	0	0	0	0	0	0	0	0
9024100000	0	1472	0	0	0	0	0	0	0	0
9031100000	0	126	0	0	0	0	0	0	0	0
9031300000	0	219	0	27	0	0	0	0	0	0
9032810020	12	3	314	75	0	0	0	0	0	0
9032810060	10	5	15000	64	0	0	0	0	582	141

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 89

Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	3	615	0	0	55	4	3	651	0	0
8462100030	0	0	0	0	0	0	2	1179	0	0
8462100050	0	0	1	5	3	103	28	1087	26	220
8462210080	0	0	0	0	1	24	6	136	1	53
8462290030	0	0	0	0	1	61	1	4	7	177
8462290040	0	0	0	0	0	0	0	0	0	0
8462290050	0	0	2	314	2	95	5	332	14	75
8462310080	0	0	0	0	0	0	1	548	0	0
8462390050	0	0	0	0	20	106	1	10	6	80
8462410080	2	519	0	0	0	0	4	544	2	344
8462490050	0	0	10	264	2	15	2	18	0	0
8462910060	0	0	0	0	0	0	0	0	0	0
8462910090	2	7	1	175	0	0	5	62	4	89
8462990030	0	0	2	96	0	0	0	0	0	0
8462990040	0	0	0	0	0	0	1	6	0	0
8462990060	1	31	0	0	22	324	4	239	1	5
8463100080	0	0	0	0	0	0	1	5	0	0
8463200080	0	0	1	3	0	0	0	0	0	0
8463300080	0	0	1	15	0	0	3	45	0	0
8463900080	6	48	3	24	2	10	8	382	0	0
9800000002	10	1	0	0	11	83	0	0	8	8
9900000002	126	12	264	176	73	34	15	7	48	62
Month Tot	150	1233	285	1072	192	859	90	5257	117	1113
Y-T-D Tot	619	7770	4473	4165	440	6840	816	27586	2128	7289
NC YTD Tot	14	1869	23	565	2	66	103	6832	50	2543
C&F Month	318	6784	38691	12217	1128	6325	1164	28414	8087	6460
C&F Y-T-D	1162	37699	158692	51580	4101	38191	5913	129494	35415	33206
C&F NC YTD	96	13800	422	10318	346	15633	456	57456	198	7327

Other Manufacturing Technology

1000000000	0	3294	0	2061	0	3251	0	12786	0	2807
2710003070	0	0	0	0	0	0	0	11	0	0
8426900010	2	1	0	0	2	159	1	368	0	0
8456101010	2	112	0	0	0	0	1	97	0	0
8456101020	0	0	0	0	0	0	6	177	0	0
8456105000	0	0	0	0	5	13	1	235	5	6
8456201010	0	0	0	0	0	0	0	0	0	0
8456201050	0	0	0	0	0	0	0	0	0	0
8456205000	5	17	0	0	0	0	0	0	0	0
8477106010	1	41	14	746	0	0	10	379	8	256
8477106050	3	734	3	117	1	79	33	1194	17	1663
8477200010	1	51	3	134	4	1755	2	76	0	0
8477200050	17	951	2	15	8	63	15	1399	4	506
8477300000	0	0	2	35	0	0	5	1290	0	0
8477400000	0	0	0	0	5	573	47	726	0	0
8479899040	4	365	0	0	18	139	784	745	2	7
8479900040	0	0	0	0	0	0	0	0	0	0
8537100030	1	6	0	0	0	0	61	31	0	0
9024100000	0	23	0	0	0	101	0	15	0	92
9031100000	0	0	0	0	0	18	0	159	0	5
9031300000	0	22	0	0	0	149	0	114	0	0
9032810020	50	2	0	0	3259	15	4	2	8270	86
9032810060	0	0	1000	1	0	0	175	1	64	22

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
May 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	50	708	12	18	62	727
Bulgaria	0	0	0	0	0	0
Czechoslovakia	6	103	0	0	6	103
Denmark	21	168	1	1	22	169
East Germany	5	143	0	0	5	143
Finland	513	1211	11	366	524	1576
Hungary	0	0	0	0	0	0
Ireland	1	3	5	18	6	20
Luxembourg	1	12	4	171	5	183
Netherlands	18	677	15	175	33	853
Norway	0	0	3	60	3	60
Poland	4	38	0	0	4	38
Portugal	0	0	10	137	10	137
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	64	339	0	0	64	339
Oth Europe	3	31	21	36	24	67
TOTAL	6162	46648	784	14973	6946	61621
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	275	84	16	26	291	111
Oth N & C Am.	0	0	0	0	0	0
TOTAL	501	2002	507	5472	1008	7473
SOUTH AMERICA						
Argentina	0	0	2	65	2	65
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	37	327	2	65	39	392
OCEANIA						
Australia	48	231	0	0	48	231
New Zealand	10	10	0	0	10	10
Oth Oceania	0	0	0	0	0	0
TOTAL	58	242	0	0	58	242

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
May 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	6684	986	2	2	6686	988
Hong Kong	244	261	0	0	244	261
India	19	102	0	0	19	102
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	3	213	3	36	6	249
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	12	2	12	2
Thailand	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	50766	116278	1105	29779	51871	146057
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	1	27	0	0	1	27
TOTAL	1	27	0	0	1	27

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include codes 8456300000 and 9000000001.

U.S. IMPORTS

Metal Cutting Machine Tools - May 89

RELEASED: August 18, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC	316	26163	45	3323
8456301030	Traveling wire electro-discharge machines, non-NC	89	6698	31	2151
8456301050	Electro-discharge machines, n.e.c., NC	99	4096	38	918
8456301070	Electro-discharge machines, n.e.c., non-NC	130	4716	20	709
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	866	72909	188	15594
8457100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	87	8678	29	2238
8457100035	Horiz. mach. ctrs., ATC	287	54209	65	11519
8457100045	Mach. ctrs., n.e.c.	154	14501	11	1913
8457200010	Unit construction mach. (single station transfer), NC	8	1027	0	0
8457200090	Unit construction mach. (single station transfer), non-NC	6	385	3	124
8457300010	Multi-station transfer machines, NC	9	8850	5	3325
8457300090	Multi-station transfer machines, non-NC	57	12205	11	968
8458110010	Horiz. lathes, multiple spindle, NC	102	17798	24	4278
8458110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1326	103972	282	24717
8458110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	248	35125	61	7897
8458110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	41	4290	3	499
8458190030	Horiz. engine or toolroom lathes, non-NC	1259	11776	215	1981
8458190050	Automatic bar and/or chucking mach., single spindle, non-NC	121	3844	54	985
8458190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	34	1880	5	293
8458190090	Horiz. lathes, n.e.c., non-NC	447	6280	46	835
8458911060	Vertical turret lathes, multiple spindle, NC	9	1299	0	0
8458911080	Vertical turret lathes, n.e.c., NC	21	2960	8	1777
8458915050	Vertical lathes, excl. VTL's, mult. spindle, NC	2	682	0	0
8458915070	Vertical lathes, excl. VTL's, n.e.c., NC	36	3423	13	1415
8458991050	Vertical turret lathes, non-NC	14	1608	1	76
8458995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	326	9217	85	3011
8459100000	Way-type unit head machines	3	270	0	0
8459210080	Other drilling machines, NC	190	19469	55	5652
8459290040	Drilling machines, multiple spindle, non-NC	30	1701	5	541
8459290050	Drilling machines, radial, non-NC	195	1099	59	284
8459290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	127	901	19	167
8459290090	Drilling machines, n.e.c., non-NC	272	18116	60	1562
8459310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	4	1626	1	636
8459310040	Boring-milling mach., horiz. spindle, n.e.c., NC	78	8631	1	12
8459310070	Boring-milling mach., n.e.c., NC	39	2024	5	742
8459390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	24	591	8	246
8459390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	83	3594	29	365
8459400040	Boring machines, vertical, NC	11	5445	0	0
8459400050	Boring machines, vertical, non-NC	18	138	0	0
8459400070	Boring machines, n.e.c., NC	9	2298	1	54
8459400080	Boring machines, n.e.c., non-NC	104	3672	11	859
8459510080	Milling machines, knee type, NC	503	8718	148	1522
8459590030	Milling machines, knee type, non-NC	1394	15085	280	2931
8459610080	Milling machines, excl. knee type, n.e.c., NC	112	19108	37	1256
8459690050	Milling machines, profile, dup., or die sinking, non-NC	4	410	1	24
8459690070	Milling machines, bed type, non-NC	55	1800	14	138
8459690090	Milling machines, n.e.c., non-NC	230	6422	53	655
8459700020	Threading or tapping machines, n.e.c., NC	124	7206	45	1643
8459700080	Threading or tapping machines, n.e.c., non-NC	122	4327	3	312
8460110080	Flat surface grinding mach., NC	79	4753	24	761
8460190010	Flat surface grinding mach., recip.-table type, non-NC	399	4675	70	680
8460190050	Flat surface grinding mach., n.e.c., non-NC	727	8612	142	2117
8460210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	161	34011	65	12798
8460290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	165	6964	15	3362
8460290030	Grinding mach., internal cylindrical, non-NC	64	4845	17	527
8460290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	568	19720	131	2284
8460310080	Sharpening machines (tool & cutter grinding), NC	96	1332	21	266
8460390050	Sharpening machines (tool & cutter grinding), non-NC	278	4093	50	657
8460400060	Honing or lapping machines, NC	25	5639	2	137
8460400080	Honing or lapping machines, non-NC	63	1723	17	256
8460900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	31	2771	7	1112
8460900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	551	13694	142	3662
8461100060	Planing machines, NC	0	0	0	0
8461100080	Planing machines, non-NC	1	54	0	0
8461200010	Shaping or slotting machines, NC	26	1433	0	0
8461200090	Shaping or slotting machines, non-NC	28	896	2	173
8461300060	Broaching machines, NC	9	2067	5	709
8461300080	Broaching machines, non-NC	38	3939	1	452
8461401050	Gear hobbers	34	5487	8	1134
8461401070	Gear shapers	6	864	1	166
8461401090	Gear cutting machines, n.e.c.	151	178	72	73
8461405060	Gear grinding or finishing machines	61	8545	11	3812
8461500050	Sawing or cutting-off machines, NC	45	1667	8	876
8461500090	Sawing or cutting-off machines, non-NC	788	10315	223	3017
9000000001	Metal cutting machine tools, n.e.c.	293	8752	29	1843
9800000001	Used or rebuilt machine tools	3244	18253	455	6312
9900000001	Machine tools valued at less than $2,500	217173	35440	53929	8190
	Cutting Total			57525	165523
	Y-T-D Cutting Total	234929	761962		
	NC Y-T-D Cutting Total*	5197	490345		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - May 89

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	0	0	0	0	0	0	0	0	0	0
8456301030	0	0	0	0	7	205	0	0	0	0
8456301050	0	0	0	0	0	0	0	0	0	0
8456301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	1	8
8457100025	0	0	0	0	0	0	1	59	0	0
8457100035	0	0	0	0	0	0	0	0	0	0
8457100045	0	0	0	0	0	0	0	0	0	0
8457200010	0	0	0	0	0	0	0	0	2	1100
8457200090	0	0	0	0	0	0	0	0	0	0
8457300010	0	0	0	0	0	0	0	0	0	0
8457300090	0	0	0	0	8	546	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	1	105
8458110030	0	0	0	0	0	0	0	0	0	0
8458110050	0	0	0	0	0	0	0	0	0	0
8458110090	0	0	0	0	0	0	1	72	0	0
8458190030	0	0	24	239	1	6	0	0	0	0
8458190050	0	0	0	0	0	0	0	0	0	0
8458190070	0	0	0	0	0	0	0	0	0	0
8458190090	0	0	10	85	0	0	0	0	0	0
8458911060	0	0	0	0	0	0	0	0	0	0
8458911080	0	0	0	0	0	0	0	0	0	0
8458915050	0	0	0	0	0	0	0	0	1	45
8458915070	0	0	0	0	0	0	0	0	0	0
8458991050	0	0	0	0	0	0	0	0	1	81
8458995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	4	80	0	0	5	89
8459210080	0	0	0	0	0	0	0	0	0	0
8459290040	0	0	0	0	0	0	0	0	7	81
8459290050	0	0	0	0	0	0	0	0	0	0
8459290070	0	0	0	0	0	0	0	0	11	51
8459290090	0	0	0	0	0	0	0	0	0	0
8459310010	0	0	0	0	0	0	6	742	1	75
8459310040	0	0	0	0	0	0	0	0	0	0
8459310070	0	0	0	0	0	0	0	0	0	0
8459390040	0	0	0	0	0	0	0	0	2	256
8459390050	0	0	0	0	0	0	0	0	0	0
8459400040	0	0	0	0	0	0	0	0	10	133
8459400050	0	0	0	0	0	0	0	0	0	0
8459400070	0	0	0	0	0	0	0	0	0	0
8459400080	0	0	0	0	1	17	0	0	0	0
8459510080	0	0	0	0	0	0	0	0	2	20
8459590030	0	0	0	0	0	0	2	6	0	0
8459610080	0	0	0	0	0	0	21	151	3	1192
8459690050	0	0	0	0	0	0	0	0	0	0
8459690070	0	0	0	0	0	0	0	0	0	0
8459690090	0	0	0	0	2	7	0	0	0	0
8459700020	0	0	0	0	0	0	0	0	9	42
8459700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
8460190010	0	0	0	0	0	0	0	0	0	0
8460190050	0	0	0	0	0	0	0	0	3	79
8460210080	0	0	0	0	0	0	1	8	3	20
8460290010	0	0	0	0	0	0	0	0	0	0
8460290030	0	0	0	0	0	0	0	0	0	0
8460290050	0	0	0	0	0	0	0	0	0	0
8460310080	0	0	0	0	29	303	2	48	5	138
8460390050	0	0	0	0	0	0	0	0	0	0
8460400060	0	0	0	0	4	54	1	21	2	20
8460400080	0	0	0	0	0	0	0	0	0	0
8460900060	0	0	0	0	0	0	0	0	0	0
8460900080	0	0	0	0	1	5	0	0	0	0
8461100060	0	0	0	0	5	80	10	27	22	1128
8461100080	0	0	0	0	0	0	0	0	0	0
8461200010	0	0	0	0	0	0	0	0	0	0
8461200090	0	0	0	0	0	0	0	0	0	0
8461300060	0	0	0	0	0	0	0	0	0	0
8461300080	0	0	0	0	0	0	0	0	0	0
8461401050	0	0	0	0	0	0	0	0	0	0
8461401070	0	0	0	0	0	0	0	0	1	12
8461401090	0	0	0	0	0	0	0	0	0	0
8461405060	0	0	0	0	0	0	0	0	0	0
8461500050	0	0	0	0	0	0	0	0	0	0
8461500090	0	0	0	0	0	0	0	0	0	0
9000000001	0	0	0	0	38	284	2	12	34	140
9800000001	0	0	0	0	5	150	0	0	0	0
9900000001	4	4	3	4	34	146	0	0	18	60
Month Tot	4	4	37	327	87	36	96	99	2717	582
Y-T-D Tot	57	3707	448	2595	226	1918	143	1243	2861	5457
NC YTD Tot*	6	198	4	239	1954	8430	791	12647	12602	20865
					11	487	27	1339	98	6973

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - May 89

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	38	2541	0	0	0	0	0	0	0	0
8456301030	12	1407	0	0	0	0	0	0	0	0
8456301050	11	594	0	0	0	0	0	0	0	0
8456301070	11	34	0	0	0	0	0	0	0	0
8457100015	136	12340	4	189	18	971	0	0	0	0
8457100025	11	1462	0	0	0	0	1	91	0	0
8457100035	30	4983	0	0	0	0	0	0	0	0
8457100045	5	665	0	0	0	0	0	0	0	0
8457200010	0	0	0	0	0	0	0	0	0	0
8457200090	0	0	0	0	0	0	0	0	0	0
8457300010	3	3071	0	0	0	0	0	0	0	0
8457300090	0	0	0	0	0	0	0	0	0	0
8458110010	18	2630	0	0	0	0	0	0	0	0
8458110030	265	23875	1	54	0	0	0	0	0	0
8458110050	55	7447	2	108	0	0	0	0	0	0
8458110090	1	224	0	0	0	0	0	0	0	0
8458190030	3	96	18	172	15	157	0	0	0	0
8458190050	2	289	0	0	0	0	0	0	0	0
8458190070	0	0	0	0	0	0	0	0	0	0
8458190090	1	31	3	110	0	0	2	78	0	0
8458911060	0	0	0	0	0	0	0	0	0	0
8458911080	7	1732	0	0	0	0	0	0	0	0
8458915050	0	0	0	0	0	0	0	0	0	0
8458915070	3	798	1	52	0	0	1	344	0	0
8458991050	0	0	0	0	0	0	0	0	0	0
8458995090	5	301	16	865	0	0	21	499	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
8459210080	48	5570	0	0	0	0	0	0	0	0
8459290040	2	167	0	0	0	0	0	0	0	0
8459290050	1	22	0	0	0	0	0	0	11	50
8459290070	1	53	0	0	0	0	0	0	0	0
8459290090	25	626	0	0	0	0	20	92	6	18
8459310010	0	0	0	0	0	0	0	0	0	0
8459310040	0	0	0	0	0	0	0	0	0	0
8459310070	0	0	0	0	0	0	0	0	0	0
8459390040	0	0	0	0	0	0	1	179	0	0
8459390050	0	0	0	0	0	0	0	0	0	0
8459400040	0	0	0	0	0	0	0	0	0	0
8459400050	0	0	0	0	0	0	0	0	0	0
8459400070	1	54	0	0	0	0	0	0	0	0
8459400080	4	411	0	0	0	0	0	0	0	0
8459510080	3	208	0	0	0	0	48	260	0	0
8459590030	3	63	0	0	0	0	15	196	0	0
8459610080	6	817	0	0	0	0	0	0	0	0
8459690050	1	24	0	0	0	0	0	0	0	0
8459690070	0	0	0	0	0	0	1	43	0	0
8459690090	10	46	0	0	0	0	15	84	0	0
8459700020	35	1539	0	0	0	0	0	0	0	0
8459700080	2	32	0	0	0	0	0	0	0	0
8460110080	2	588	0	0	0	0	0	0	0	0
8460190010	33	250	0	0	19	251	0	0	0	0
8460190050	12	1252	0	0	0	0	0	0	0	0
8460210080	20	9290	0	0	0	0	0	0	0	0
8460290010	7	2586	0	0	0	0	0	0	0	0
8460290030	1	68	0	0	0	0	1	56	0	0
8460290050	13	719	0	0	0	0	0	0	2	17
8460310080	0	0	0	0	0	0	0	0	0	0
8460390050	6	48	0	0	0	0	3	12	0	0
8460400060	0	0	0	0	0	0	0	0	0	0
8460400080	1	33	0	0	0	0	0	0	2	24
8460900060	6	1107	0	0	0	0	0	0	0	0
8460900080	7	207	8	38	0	0	1	23	2	28
8461100060	0	0	0	0	0	0	0	0	0	0
8461100080	0	0	0	0	0	0	0	0	0	0
8461200010	0	0	0	0	0	0	0	0	0	0
8461200090	1	168	0	0	0	0	0	0	0	0
8461300060	5	709	0	0	0	0	0	0	0	0
8461300080	1	452	0	0	0	0	0	0	0	0
8461401050	0	0	0	0	0	0	0	0	0	0
8461401070	1	166	0	0	0	0	0	0	0	0
8461401090	0	0	0	0	0	0	0	0	0	0
8461405060	9	2177	0	0	0	0	0	0	0	0
8461500050	8	876	0	0	0	0	0	0	0	0
8461500090	30	1750	0	0	0	0	3	27	0	0
9000000001	2	76	0	0	0	0	0	0	0	0
9800000001	66	2903	0	0	0	0	0	0	1	3
9900000001	4248	961	67	65	0	0	0	0	133	213
Month Tot	5238	100539	120	1652	52	1379	133	1985	157	352
Y-T-D Tot	18969	451522	895	7737	307	5941	874	8479	1225	3519
NC YTD Tot*	3367	379202	68	3629	55	2848	234	2749	1	23

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - May 89

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	7	782	0	0	0	0	0	0	0	0
8456301030	4	428	8	111	0	0	0	0	0	0
8456301050	0	0	0	0	27	324	0	0	0	0
8456301070	5	315	0	0	0	0	3	352	0	0
8457100015	0	0	13	692	10	809	6	534	0	0
8457100025	0	0	8	177	9	508	0	0	0	0
8457100035	0	0	0	0	1	184	34	6352	0	0
8457100045	0	0	1	58	1	55	2	36	0	0
8457200010	0	0	0	0	0	0	0	0	0	0
8457200090	0	0	0	0	3	124	0	0	0	0
8457300010	0	0	0	0	0	0	0	0	0	0
8457300090	2	317	0	0	0	0	0	0	2	254
8458110010	0	0	0	0	0	0	0	0	0	0
8458110030	0	0	16	788	0	0	6	1648	0	0
8458110050	0	0	2	109	0	0	0	0	0	0
8458110090	0	0	0	0	0	0	1	161	0	0
8458190030	0	0	76	640	0	0	2	275	0	0
8458190050	2	138	46	316	22	275	0	0	56	397
8458190070	1	112	0	0	0	0	4	243	0	0
8458190090	1	57	2	8	0	0	1	154	3	27
8458911060	0	0	0	0	7	149	3	228	17	89
8458911080	0	0	0	0	0	0	0	0	0	0
8458915050	0	0	0	0	0	0	0	0	0	0
8458915070	0	0	0	0	0	0	0	0	0	0
8458991050	1	76	0	0	5	18	2	123	0	0
8458995090	1	362	2	14	0	0	0	0	0	0
8459100000	0	0	0	0	2	48	2	11	27	742
8459210080	0	0	0	0	0	0	0	0	0	0
8459290040	0	0	0	0	0	0	0	0	0	0
8459290050	0	0	26	111	0	0	1	9	2	365
8459290070	0	0	0	0	0	0	1	6	9	44
8459290090	0	0	0	0	0	0	8	70	10	43
8459310010	0	0	0	0	0	0	2	10	0	0
8459310040	0	0	0	0	1	636	0	0	0	0
8459310070	1	352	0	0	0	0	0	0	1	12
8459390040	0	0	0	0	0	0	1	47	1	88
8459390050	0	0	12	42	0	0	7	67	0	0
8459400040	0	0	0	0	0	0	4	111	3	78
8459400050	0	0	0	0	0	0	0	0	0	0
8459400070	0	0	0	0	0	0	0	0	0	0
8459400080	0	0	0	0	0	0	0	0	0	0
8459510080	0	0	50	442	1	42	0	0	3	368
8459590030	0	0	169	999	19	530	0	0	26	76
8459610080	0	0	29	358	60	229	0	0	9	101
8459690050	0	0	0	0	2	82	0	0	0	0
8459690070	0	0	13	95	0	0	0	0	0	0
8459690090	2	168	9	36	0	0	0	0	0	0
8459700020	0	0	10	104	1	17	2	41	3	213
8459700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	17	105	0	0	1	280	0	0
8460190010	0	0	14	33	0	0	1	24	4	44
8460190050	1	36	106	657	0	0	1	67	0	0
8460210080	13	505	0	0	16	111	2	30	1	3
8460290010	6	413	0	0	4	169	28	2834	0	0
8460290030	0	0	0	0	0	0	2	363	0	0
8460290050	3	395	5	38	0	0	1	251	14	151
8460310080	0	0	17	150	12	145	59	480	1	1
8460390050	5	61	3	24	0	0	4	116	0	0
8460400060	0	0	0	0	11	83	11	161	4	173
8460400080	1	23	0	0	0	0	2	137	0	0
8460900060	0	0	0	0	7	67	6	109	0	0
8460900080	36	348	13	49	0	0	0	0	0	0
8461100060	0	0	0	0	2	13	29	484	7	1238
8461100080	0	0	0	0	0	0	0	0	0	0
8461200010	0	0	0	0	0	0	0	0	0	0
8461200090	0	0	1	5	0	0	0	0	0	0
8461300060	0	0	0	0	0	0	0	0	0	0
8461300080	0	0	0	0	0	0	0	0	0	0
8461401050	0	0	0	0	0	0	0	0	0	0
8461401070	0	0	0	0	0	0	6	1094	1	27
8461401090	60	8	4	4	0	0	0	0	0	0
8461405060	0	0	0	0	6	3	2	58	0	0
8461500050	0	0	0	0	0	0	2	1634	0	0
8461500090	1	11	37	209	0	0	0	0	0	0
9000000001	2	222	5	38	8	28	49	492	21	64
9800000001	4	407	0	0	1	80	5	1242	9	36
9900000001	9	16	37692	4731	287	532	29	2192	16	68
Month Tot	168	5550	38406	11145	411	206	742	630	7720	644
Y-T-D Tot	543	29930	154219	47415	936	5466	1074	23157	7970	5347
NC YTD Tot*	82	11932	399	9752	3661	31351	5097	101908	33287	25917
					344	15567	353	50623	148	4784

Please see notes on last page of the metal forming section.

A8620-3

REPORT

NMTBA
The Association For
Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICS

No. 111-89 August 30, 1989

U.S. FOREIGN TRADE -- JUNE 1989

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY

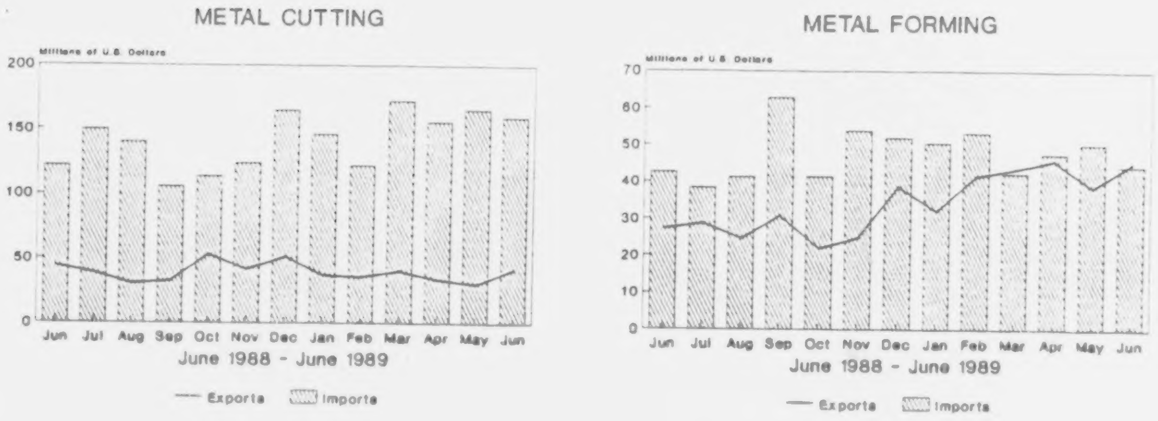
(Millions of U.S. Dollars)

	June 1989	May 1989	% Change June-May	Year to Date '89	Year to Date '88	% Change '88-'89
METAL CUTTING MACHINE TOOLS						
Imports	$159.6	$165.5	-3.6%	$921.6	$745.8	23.6%
Exports	$ 41.9	$ 30.6	36.9%	$220.0	$195.4	12.6%
Balance	-$117.7	-$134.9	-12.8%	-$701.6	-$550.4	27.5%
METAL FORMING						
Imports	$ 44.4	$ 50.3	-11.7%	$288.4	$226.0	27.6%
Exports	$ 45.1	$ 38.5	17.1%	$246.4	$155.3	58.7%
Balance	$ 0.7	-$ 11.8	-105.9%	-$ 42.0	-$ 70.7	-40.6%
MACHINE TOOL TOTAL						
Imports	$204.0	$215.8	-5.5%	$1,210.0	$971.8	24.5%
Exports	$ 87.0	$ 69.1	25.9%	$ 466.4	$350.7	33.0%
Balance	-$117.0	-$146.7	-20.2%	-$ 743.6	-$621.1	19.7%
NUMERICALLY CONTROLLED MACHINE TOOLS						
Imports	$105.7	$118.3	-10.7%	$633.6	$427.7	48.1%
Exports	$ 21.7	$ 14.4	50.7%	$112.5	$ 71.6	57.1%
Balance	-$ 84.0	-$103.9	-19.2%	-$521.1	-$356.1	46.3%
OTHER MANUFACTURING TECHNOLOGY						
Imports	$138.3	$124.5	11.1%	$754.5	NA	NA
Exports	$100.8	$104.9	- 3.9%	$589.3	NA	NA
Balance	-$ 37.5	-$ 19.6	91.3%	-$165.2	NA	NA

Note: Numerically controlled machine tools includes both metal cutting and metal forming types, and are included in respective totals.

During June 1989, U.S. imports of both metal cutting and metal forming machine tools fell, while exports rose compared with May. The metal forming machine tool trade balance showed a surplus for the month, while the metal cutting trade deficit showed some improvement.

U.S. MONTHLY TRADE IN MACHINE TOOLS


METAL CUTTING

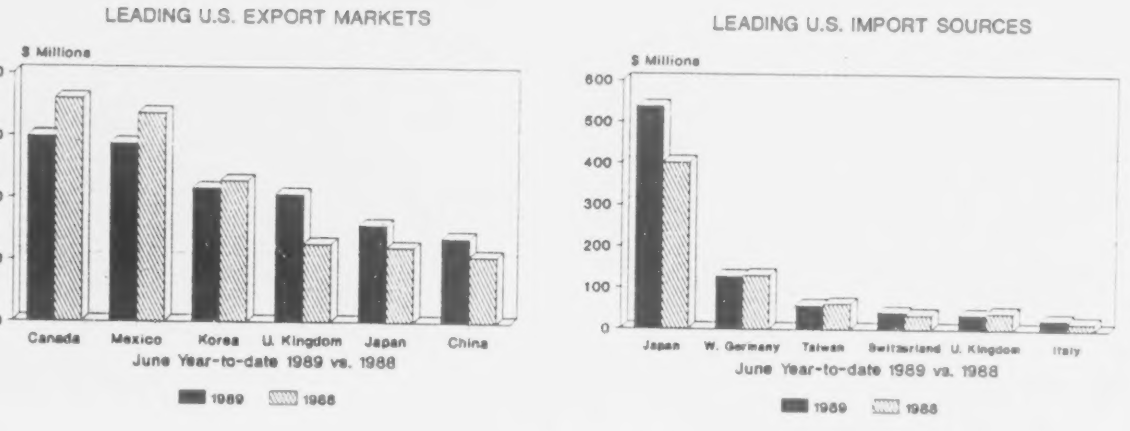
METAL FORMING

METAL CUTTING

Exports

U.S. metal cutting machine tool exports jumped 37% during June to $41.9 million. The United Kingdom was the leading export market during the month at $6.5 million. This figure raised the year-to-date export total to the United Kingdom to $20.6 million, up 63% compared with the first half of 1988. West Germany also showed a strong month, with exports at $4.1 million, and year-to-date shipments up 41% compared with last year. The top three export markets, Canada, Mexico and Korea are all running behind last year's year-to-date export totals. Japan surpassed China this month as the fifth leading export market, with year-to-date exports up 30% versus 1988.

METAL CUTTING MACHINE TOOL FOREIGN TRADE


LEADING U.S. EXPORT MARKETS

LEADING U.S. IMPORT SOURCES

Imports

U.S. metal cutting imports fell 4% during June to $159.6 million. Japan was the leading import source, down 15% compared with May, but up 34% year-to-date versus 1988. Imports from Switzerland more than doubled compared with May, as it displaced the United Kingdom to become the fourth leading U.S. foreign supplier through the first six months of 1989. Imports from Korea tripled compared with May, and year-to-date shipments from that country are more than double the 1988 total at $13.0 million.

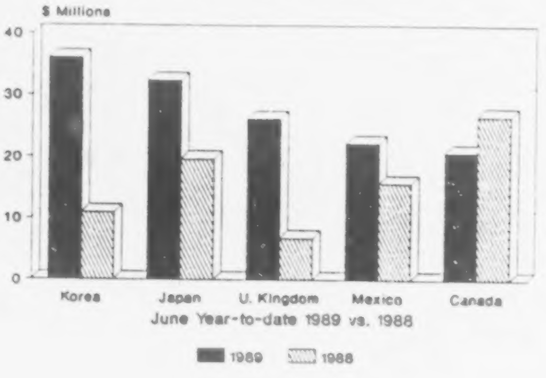
METAL FORMING

Exports

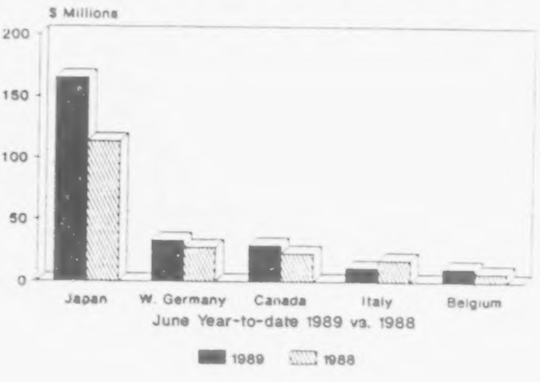
U.S. exports of metal forming machine tools increased 17% during June to $45.1 million, and are up 59% year-to-date. Korea displaced Japan as the leading export market thus far in 1989 as exports to that country reached $8.7 million during June. Year-to-date exports to Korea are more than triple the 1988 figure at $36.0 million. Mexico replaced Canada as the fourth largest market, with exports to Mexico up 41% year-to-date. U.S. metal forming machine tool exports to Venezuela reached $1.4 million during June, as year-to-date exports are up 33% to $5.8 million.

METAL FORMING MACHINE TOOL FOREIGN TRADE

LEADING U.S. EXPORT MARKETS



LEADING U.S. IMPORT SOURCES



Imports

June metal forming imports fell 12% to $44.4 million. Japan's total fell 20% to $22.8 million compared with May. However, year-to-date imports from Japan are up 45% versus 1988. West Germany was the second leading import source, up 7% to $5.6 million during June, and up 22% year-to-date. The remaining countries in the top five each showed declines in shipments to the United States compared with May.

Other Manufacturing Technology

Exports

Despite an overall drop in "Other Manufacturing Technology" exports during June by 4% to $100.8 million, several areas showed significant gains. Robots and parts exports more than doubled to $7.8 million; injection molding machines for thermoplastics increased 53% to $5.8 million; extruders for thermoplastics jumped 95% to $6.0 million; and industrial process control instruments registered a 31% gain to $4.3 million.

U.S. exports of machine tool parts and accessories totalled $55.0 million in June, down 12% from May. Exports of numerical controls for machine tools were $5.1 million, up 53% from May. The top U.S. export market for parts and accessories was Canada, at $9.9 million, down from $12.0 million during May.

Imports

U.S. imports of "Other Manufacturing Technology" increased 11% to $138.3 million during June. Big gainers included industrial robots and parts, up from $13.7 to $27.2 million; blow molding machine imports doubled to $4.3 million during June; machines and appliances for testing metals were up 78% to $3.0 million; and machines for balancing mechanical parts experienced over a 3-fold increase to $1.5 million.

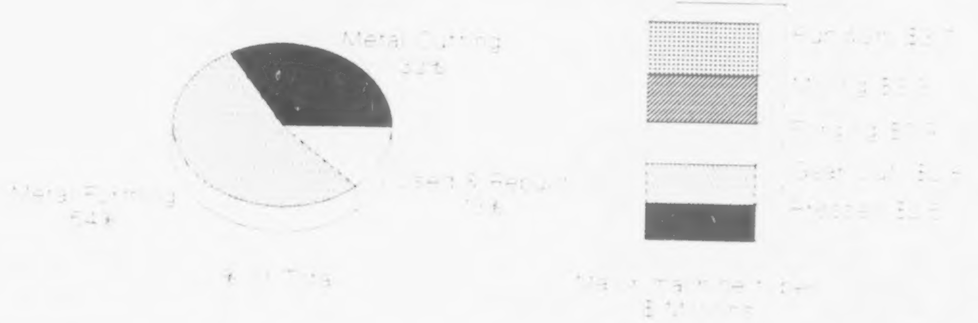
U.S. imports of machine tool parts and accessories reached $56.4 million in June, down 3% from May. The largest source market was Japan at $23.6 million, up 38% from May. Imports of numerical controls rose 32% during the month to $4.9 million.

MONTHLY FOCUS

U.S. Exports to Korea

During June, Korea emerged as the largest U.S. export market thus far in 1989. U.S. exports to Korea reached $57.6 million during the first half, with metal forming exports more than tripling to $36.0 million. The metal cutting total actually fell slightly from last year. NC machines accounted for 32% of the export cutting total to Korea.

U.S. MACHINE TOOL EXPORTS TO KOREA
January - June 1989



U.S. IMPORTS
Metal Cutting Machine Tools - June 89

RELEASED: August 30, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC	389	32482	73	6319
301030	Traveling wire electro-discharge machines, non-NC	115	8084	26	1386
301050	Electro-discharge machines, n.e.c., NC	107	4581	8	485
301070	Electro-discharge machines, n.e.c., non-NC	166	5981	36	1265
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	1094	90153	228	17244
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	104	12887	17	4208
100035	Horiz. mach. ctrs., ATC	355	67971	68	13762
100045	Mach. ctrs., n.e.c.	167	19533	13	5032
200010	Unit construction mach. (single station transfer), NC	8	1027	0	0
200090	Unit construction mach. (single station transfer), non-NC	13	549	7	164
300010	Multi-station transfer machines, NC	10	9498	1	648
300090	Multi-station transfer machines, non-NC	64	15602	7	3397
8458110010	Horiz. lathes, multiple spindle, NC	140	22656	38	4858
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1580	122067	254	18095
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	306	41835	58	6711
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	50	6497	9	2207
190030	Horiz. engine or toolroom lathes, non-NC	1405	13589	146	1813
190050	Automatic bar and/or chucking mach., single spindle, non-NC	216	7046	95	3203
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	46	3161	12	1282
190090	Horiz. lathes, n.e.c., non-NC	539	7688	92	1409
911060	Vertical turret lathes, multiple spindle, NC	13	2187	4	888
911080	Vertical turret lathes, n.e.c., NC	23	3284	2	324
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	2	682	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	43	4238	7	815
991050	Vertical turret lathes, non-NC	24	2830	10	1223
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	415	11652	89	2435
8459100000	Way-type unit head machines	7	423	4	153
210080	Other drilling machines, NC	227	21024	37	1555
290040	Drilling machines, multiple spindle, non-NC	42	2418	12	717
290050	Drilling machines, radial, non-NC	240	1505	45	407
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	133	1037	6	137
290090	Drilling machines, n.e.c., non-NC	324	20026	52	1910
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	4	1626	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	88	8877	10	246
310070	Boring-milling mach., n.e.c., NC	44	2514	5	489
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	26	706	2	115
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	102	3991	19	397
400040	Boring machines, vertical, NC	12	5729	1	284
400050	Boring machines, vertical, non-NC	24	291	6	153
400070	Boring machines, n.e.c., NC	9	2298	0	0
400080	Boring machines, n.e.c., non-NC	133	4515	29	844
510080	Milling machines, knee type, NC	623	10088	120	1370
590030	Milling machines, knee type, non-NC	1676	16792	282	1707
610080	Milling machines, excl. knee type, n.e.c., NC	128	20414	16	1306
690050	Milling machines, profile, dup., or die sinking, non-NC	11	438	7	28
690070	Milling machines, bed type, non-NC	58	1850	3	51
690090	Milling machines, n.e.c., non-NC	336	7446	106	1024
700020	Threading or tapping machines, n.e.c., NC	151	8270	27	1064
700080	Threading or tapping machines, n.e.c., non-NC	140	5417	18	1090
8460110080	Flat surface grinding mach., NC	103	6083	24	1331
190010	Flat surface grinding mach., recip.-table type, non-NC	511	5859	112	1183
190050	Flat surface grinding mach., n.e.c., non-NC	881	10077	154	1465
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	188	42976	27	8966
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	200	7665	35	701
290030	Grinding mach., internal cylindrical, non-NC	76	5735	12	890
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	756	23791	188	4071
310080	Sharpening machines (tool & cutter grinding), NC	148	1766	52	434
390050	Sharpening machines (tool & cutter grinding), non-NC	346	5190	68	1097
400060	Honing or lapping machines, NC	26	5662	1	24
400080	Honing or lapping machines, non-NC	83	2607	20	884
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	34	2784	3	13
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	629	16495	78	2801
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	1	54	0	0
200010	Shaping or slotting machines, NC	26	1433	0	0
200090	Shaping or slotting machines, non-NC	31	1294	3	398
300060	Broaching machines, NC	9	2067	0	0
300080	Broaching machines, non-NC	39	3951	1	12
401050	Gear hobbers	57	9226	23	3739
401070	Gear shapers	7	1049	1	185
401090	Gear cutting machines, n.e.c.	252	547	101	369
405060	Gear grinding or finishing machines	81	9838	20	1292
500050	Sawing or cutting-off machines, NC	56	1861	11	194
500090	Sawing or cutting-off machines, non-NC	951	12550	163	2234
9000000001	Metal cutting machine tools, n.e.c.	350	10142	57	1390
9800000001	Used or rebuilt machine tools	3486	21314	242	3060
9900000001	Machine tools valued at less than $2,500	284087	44141	66914	8701
	Cutting Total			70417	159649
	Y-T-D Cutting Total	305346	921611		
	NC Y-T-D Cutting Total	6311	589216		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - June 89

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	0	0	0	0	0	0	0	0	0	0
301030	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	10	176	0	0
8457100015	0	0	0	0	0	0	1	55	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	648
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	10	59	0	0	0	0	0	0
110050	0	0	0	0	0	0	4	283	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	9	65	1	11	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	3	63	312	0	0	3	19	1	154
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	8	30	0	0	0	0	0	0
995090	0	0	15	86	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	5	48	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	4	1462	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	139
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	1	84
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	4	65
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	3	34	0	0	8	69
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	1
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	1	44	0	0
700020	5	185	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	8	142
190050	0	0	0	0	1	7	0	0	0	0
210080	0	0	0	0	0	0	1	3	1	317
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	1	374
290050	0	0	0	0	11	160	2	25	1	141
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	4	11	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	144
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	2	16	0	0	3	31
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	9	351
405060	0	0	0	0	2	18	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	25	395	4	58	1	14
9000000001	0	0	0	0	3	21	4	47	2	75
9800000001	6	183	0	0	25	9	2	22	12	65
9900000001	0	0	0	0	34	19	127	85	5438	821
Month Tot	12	371	110	600	111	702	163	2279	5494	3636
Y-T-D Tot	69	4078	558	3195	2065	9131	954	14926	18096	24501
NC YTD Tot	11	383	14	298	11	487	33	1680	102	8078

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - June 89

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	68	5911	0	0	0	0	0	0	0	0
301030	3	359	0	0	0	0	0	0	0	0
301050	8	485	0	0	0	0	0	0	0	0
301070	2	86	0	0	0	0	0	0	0	0
8457100015	171	14485	11	463	17	700	0	0	0	0
100025	9	3749	0	0	0	0	0	0	0	0
100035	50	9304	6	904	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	2	684
200010	0	0	0	0	0	0	0	0	0	0
200090	7	164	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	1	2663	0	0	0	0	0	0	0	0
8458110010	29	3728	0	0	0	0	0	0	0	0
110030	220	16468	7	456	0	0	0	0	0	0
110050	45	5894	4	136	0	0	0	0	0	0
110090	0	0	5	597	0	0	0	0	0	0
190030	2	78	25	445	12	126	0	0	0	0
190050	44	2916	0	0	0	0	1	13	0	0
190070	1	266	0	0	0	0	0	0	0	0
190090	2	253	2	66	0	0	0	0	0	0
911060	4	888	0	0	0	0	0	0	0	0
911080	2	324	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	2	137	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	26	1579	0	0	0	0	0	0
8459100000	4	153	0	0	0	0	0	0	0	0
210080	36	1550	0	0	0	0	0	0	0	0
290040	2	82	0	0	0	0	0	0	0	0
290050	2	99	0	0	0	0	2	25	10	40
290070	2	109	0	0	0	0	1	3	0	0
290090	5	65	0	0	0	0	18	54	6	16
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	1	5	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	1	284	0	0	0	0	0	0	0	0
400050	2	88	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	1	8
510080	1	134	0	0	0	0	76	572	0	0
590030	4	101	1	8	0	0	90	545	1	26
610080	2	1189	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	7	106	0	0	0	0	41	334	0	0
700020	22	879	0	0	0	0	0	0	0	0
700080	12	675	0	0	0	0	0	0	0	0
8460110080	2	696	0	0	0	0	0	0	0	0
190010	50	481	0	0	19	209	0	0	0	0
190050	21	154	0	0	1	23	0	0	0	0
210080	18	4381	0	0	0	0	0	0	0	0
290010	1	60	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	1	85	0	0
290050	5	585	0	0	2	38	0	0	3	327
310080	1	38	0	0	0	0	1	3	0	0
390050	8	63	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	1	117	0	0	0	0	0	0	2	19
900060	0	0	0	0	0	0	0	0	0	0
900080	14	1103	0	0	1	8	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	26	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	1	12	0	0	0	0	0	0	0	0
401050	1	46	8	365	0	0	0	0	0	0
401070	1	185	0	0	0	0	0	0	0	0
401090	24	6	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	9	174	0	0	0	0	0	0	0	0
500090	68	1039	0	0	0	0	0	0	0	0
9000000001	2	46	0	0	0	0	4	24	1	25
9800000001	38	1341	0	0	0	0	0	0	1	4
9900000001	7093	1043	3103	198	0	0	0	0	276	200
Month Tot	8131	85265	3198	5218	52	1103	236	1663	303	1849
Y-T-D Tot	27100	536787	4093	12955	359	7044	1110	10142	1528	5369
NC YTD Tot	4067	449900	101	6185	72	3547	312	3330	3	707

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools – June 89

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	4	341	0	0	0	0	1	67	0	0
301030	9	917	14	110	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	11	611	11	162	0	0	2	231	0	0
8457100015	0	0	8	615	13	501	7	424	0	0
100025	0	0	4	208	4	252	0	0	0	0
100035	0	0	0	0	0	0	12	3554	0	0
100045	2	1399	0	0	1	132	3	2583	5	234
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	6	734	0	0	0	0	0	0	0	0
8458110010	2	118	0	0	0	0	7	1012	0	0
110030	7	501	8	411	1	39	1	162	0	0
110050	0	0	3	173	0	0	2	225	0	0
110090	0	0	0	0	0	0	4	1610	0	0
190030	0	0	32	325	26	235	0	0	39	528
190050	0	0	29	180	0	0	0	0	21	95
190070	5	821	4	34	2	161	0	0	0	0
190090	0	0	1	8	10	309	2	254	7	31
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	1	589	4	90
991050	0	0	0	0	0	0	2	1192	0	0
995090	0	0	4	37	3	19	1	6	40	708
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	4	0	0	0	0	0	0
290040	5	366	0	0	0	0	5	269	0	0
290050	0	0	19	136	0	0	1	12	6	47
290070	0	0	3	24	0	0	0	0	0	0
290090	1	7	6	23	2	17	10	266	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	9	107	0	0
310070	1	22	0	0	0	0	2	439	1	22
390040	0	0	0	0	1	31	0	0	0	0
390050	0	0	17	113	0	0	2	285	0	0
400040	0	0	0	0	0	0	0	0	0	0
8459400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	2	437	0	0	2	35	11	155	2	105
510080	0	0	27	245	14	373	0	0	2	45
590030	0	0	143	824	21	80	1	12	21	110
610080	0	0	10	102	0	0	0	0	3	14
690050	0	0	6	22	0	0	0	0	1	6
690070	0	0	3	51	0	0	0	0	0	0
690090	0	0	15	74	0	0	2	253	40	215
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	4	285	2	129	0	0
8460110080	3	14	12	150	4	25	2	446	1	1
190010	0	0	34	130	0	0	1	222	0	0
190050	3	195	108	572	8	105	2	386	10	24
210080	2	3088	0	0	0	0	5	1177	0	0
290010	4	461	0	0	2	93	27	76	1	11
290030	1	30	0	0	0	0	1	306	8	94
290050	2	23	1	3	7	241	151	1988	3	39
310080	2	19	38	201	0	0	10	173	0	0
390050	4	36	6	33	12	98	31	558	3	299
400060	0	0	0	0	1	24	0	0	0	0
400080	5	126	0	0	5	410	6	67	0	0
900060	0	0	0	0	0	0	0	0	3	13
900080	2	265	0	0	31	243	9	828	16	308
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	372
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	14	3328	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	28	3	0	0	0	0	40	9	0	0
405060	16	712	0	0	0	0	2	562	0	0
500050	0	0	1	7	0	0	1	13	0	0
500090	0	0	16	131	21	60	21	462	7	75
9000000001	0	0	0	0	16	184	3	852	22	115
9800000001	2	4	42	175	75	745	32	416	7	97
9900000001	117	10	36345	4831	253	155	799	470	13329	869
Month Tot	246	11257	36971	10111	539	4853	1247	26176	13604	4567
Y-T-D Tot	789	41186	191190	57526	4200	36204	6344	128084	46891	30484
NC YTD Tot	105	17433	511	11867	382	16913	420	63204	167	5203

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 89

RELEASED: August 30, 1989

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	2641	22976	43	4144
8462100030	Headers and upsetters, including cold headers	59	6053	11	847
100050	Forging or die stamping machines, and hammers, n.e.c.	796	43845	94	4685
210080	Bending, folding, straight. or flat. mach., incl presses, NC	645	16253	45	2310
290030	Press brakes, non-NC	216	5864	34	1084
290040	Bending rolls, non-NC	48	1469	3	143
290050	Bending, folding, straight., or flat., n.e.c., non-NC	583	26597	118	5877
310080	Shearing machines, NC	20	2312	0	0
390050	Shearing machines, non-NC	333	8089	57	1556
410080	Punching or notching mach., incl. comb. punch & shear, NC	182	18787	50	4527
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	349	8417	119	2765
910060	Hydraulic presses, NC	24	2345	0	0
910090	Hydraulic presses, non-NC	196	12336	45	1804
990030	Presses, n.e.c., NC	31	4724	1	12
990040	Presses, mechanical, non-NC	66	23337	22	375
990060	Presses, n.e.c., non-NC	693	41846	88	6544
8463100080	Draw benches for bars, tubes, profiles, wire or the like	25	2105	6	528
200080	Thread rolling machines	21	964	2	43
300080	Machines for working wire	248	11909	77	2673
900080	Metal forming machine tools, n.e.c.	426	16722	60	2318
9800000002	Used or rebuilt machine tools	451	7915	109	1688
9900000002	Machine tools valued at less than $2,500	10177	3500	1795	473
	Forming Total			2779	44395
	Y-T-D Forming Total	18230	288365		
	NC Y-T-D Forming Total	902	44421		
	Cutting and Forming Totals:				
	Monthly Total			73196	204044
	Y-T-D Total	323576	1209976		
	NC Y-T-D Total	7213	633636		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	341692	0	56378
2710003070	Quenching or cutting oils	0	42	0	6
8428900010	Industrial robots for lifting, handling, loading or unload	916	23926	168	3344
8456101010	Laser, light or photon beam for working metal, NC	47	6880	9	839
101020	Laser, light or photon beam for working metal, non-NC	12	1234	2	442
105000	Laser, light or photon beam for other materials	1063	2796	24	621
201010	Ultrasonic processes for working metal, NC	4	421	0	0
201050	Ultrasonic processes for working metal, non-NC	10	22	0	0
205000	Ultrasonic processes for working other materials	130	442	11	58
8477106010	Injection molding mach., for rubber or oth. thermosetting	426	46399	99	8968
106050	Injection molding mach., for thermoplastics	1341	135806	291	21931
200010	Extruders for rubber or other thermosetting materials	98	14151	20	1639
200050	Extruders for processing thermoplastics	378	23175	56	2371
300000	Blow molding machines	141	22224	31	4348
400000	Vacuum-molding and other thermoforming machines	148	13182	6	3313
8479899040	Industrial robots, n.e.c.	11847	80714	1969	23869
900040	Industrial robot parts	0	0	0	0
8537100030	Numerical controls for controlling machine tools	5493	23519	708	4935
9024100000	Machines and appliances for testing metals	0	7829	0	3031
9031100000	Machines for balancing mechanical parts	0	4256	0	1535
300000	Profile projectors	0	2925	0	341
9032810020	Industrial process control instr., hydraulic	88294	1416	14889	117
810060	Industrial process control instr., pneumatic	50347	1439	13376	259

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 89

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	32	67	0	0	2	83
8462100030	0	0	0	0	0	0	0	0	3	346
100050	0	0	0	0	9	52	0	0	3	335
210080	1	4	0	0	1	96	0	0	0	0
290030	9	389	0	0	11	486	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	26	1559	0	0	28	218
310080	0	0	0	0	0	0	0	0	0	0
390050	11	161	0	0	9	244	0	0	7	663
410080	0	0	0	0	0	0	0	0	0	0
490050	1	585	0	0	2	32	0	0	12	68
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	8	269	0	0	2	42
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	1	392	0	0	29	1219	1	13	1	61
8463100080	2	31	0	0	0	0	0	0	3	492
200080	0	0	0	0	0	0	1	28	0	0
300080	16	544	4	132	0	0	0	0	1	22
900080	0	0	0	0	5	185	12	32	3	95
9800000002	9	397	0	0	11	264	2	4	14	84
9900000002	2	1	0	0	4	7	0	0	25	22
Month Tot	52	2503	4	132	147	4478	16	77	104	2533
Y-T-D Tot	311	10747	11	143	3383	29234	81	922	638	11116
NC YTD Tot	29	784	0	0	11	741	6	163	4	612
C&F Month	64	2875	114	732	258	5180	179	2356	5598	6169
C&F Y-T-D	380	14825	569	3338	5448	38366	1035	15847	18734	35617
C&F NC YTD	40	1168	14	298	22	1229	39	1843	106	8690

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	221	0	36	0	4268	0	1235	0	1471
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	3	103	16	131	0	0	0	0
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	1	204	8	880	1	132
106050	0	0	0	0	28	2583	0	0	20	900
200010	0	0	0	0	0	0	2	358	1	1
200050	0	0	0	0	12	113	1	74	0	0
300000	0	0	0	0	7	542	0	0	0	0
400000	0	0	0	0	1	50	0	0	0	0
8479899040	0	0	0	0	122	255	98	2	1	1
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	0	0	0	0	0	0
9024100000	0	0	0	0	0	32	0	20	0	0
9031100000	0	0	0	23	0	7	0	5	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	2	4	0	0	0	0
810060	0	0	0	0	0	0	664	4	390	34

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools. Machine Tool Totals and Other Manufacturing Technology
June 89

Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	3184	0	0	0	0	0	0	0	0
8462100030	8	501	0	0	0	0	0	0	0	0
100050	49	3034	0	0	0	0	0	0	0	0
210080	29	1674	0	0	0	0	0	0	0	0
290030	6	146	0	0	0	0	0	0	0	0
290040	2	121	0	0	0	0	0	0	1	22
290050	25	1890	0	0	0	0	0	0	3	62
310080	0	0	0	0	0	0	0	0	0	0
390050	8	217	0	0	0	0	2	7	0	0
410080	23	2677	0	0	0	0	0	0	0	0
490050	51	1327	0	0	0	0	41	372	7	230
910060	0	0	0	0	0	0	0	0	0	0
910090	26	1133	2	18	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	8	314	0	0	0	0	0	0	0	0
990060	35	4168	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	1	15	0	0	0	0	0	0	0	0
300080	41	959	0	0	0	0	0	0	0	0
900080	22	935	0	0	0	0	0	0	0	0
9800000002	9	465	0	0	0	0	0	0	1	4
9900000002	53	8	0	0	0	0	41	135	0	0
							56	43	0	0
Month Tot	400	22767	2	18	0	0	140	557	12	318
Y-T-D Tot	2818	165116	60	175	42	603	311	1292	197	4358
NC YTD Tot	614	27450	0	0	0	0	0	0	4	398
C&F Month	8531	108032	3200	5236	52	1103	376	2220	315	2167
C&F Y-T-D	29918	701902	4153	13130	401	7647	1421	11434	1725	9726
C&F NC YTD	4681	477349	101	6185	72	3547	312	3330	7	1105

Other Manufacturing Technology

	Japan		Korea		Singapore		Spain		Sweden	
1000000000	0	23645	0	225	0	544	0	263	0	1286
2710003070	0	6	0	0	0	0	0	0	0	0
8428900010	133	2835	0	0	0	0	0	0	5	236
8456101010	3	711	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201040	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	1	1	0	0	0	0	0	0
8477106010	55	4291	1	79	0	0	0	0	0	0
106050	79	9786	1	81	0	0	1	6	0	0
200010	3	283	1	19	0	0	0	0	0	0
200050	2	231	1	4	0	0	0	0	0	0
300000	11	2385	0	0	0	0	0	0	0	0
400000	2	408	0	0	0	0	0	0	0	0
8479899040	1640	21415	0	0	0	0	0	0	9	512
900040	0	0	0	0	0	0	0	0	0	0
8537100030	687	4926	0	0	0	0	0	0	0	0
9024100000	0	2329	0	0	0	0	0	0	0	0
9031100000	0	1317	0	0	0	0	0	0	0	0
300000	0	202	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	0	0
810060	366	22	4000	17	0	0	0	0	754	160

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
June 89

Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	726	0	0	0	0	0	0	1	84
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	2	6	500	4	326	22	436
210080	1	24	0	0	2	204	8	271	3	37
290030	0	0	0	0	0	0	0	0	8	63
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	6	487	7	235	16	1218	7	208
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	2	105	9	66	9	92
410080	2	504	0	0	0	0	24	1128	1	217
490050	0	0	0	0	3	25	1	30	1	98
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	1	3	1	21	2	261	3	58
990030	0	0	0	0	0	0	1	12	0	0
990040	0	0	0	0	14	61	0	0	0	0
990060	0	0	0	0	6	27	14	653	1	12
8463100080	0	0	0	0	0	0	1	5	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	33	3	36	7	609	4	337
900080	0	0	2	20	10	313	4	729	1	5
9800000002	0	0	5	7	2	5	9	292	7	35
9900000002	58	18	1315	198	0	0	37	41	245	135
Month Tot	65	1272	1331	750	56	1531	137	5640	313	1818
Y-T-D Tot	684	9042	5804	4914	496	8370	953	33226	2441	9107
NC YTD Tot	17	2397	23	565	4	270	136	8243	54	2797
C&F Month	311	12529	38302	10860	595	6384	1384	31816	13917	6385
C&F Y-T-D	1473	50228	196994	62440	4696	44574	7297	161310	49332	39590
C&F NC YTD	122	19830	534	12432	386	17183	556	71448	221	8000

Other Manufacturing Technology

1000000000	0	3401	0	2865	0	2636	0	10386	0	3896
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	0	0	0	0	0	0	11	38
8456101010	6	128	0	0	0	0	0	0	0	0
101020	1	430	0	0	0	0	1	11	0	0
105000	0	0	0	0	0	0	23	620	1	1
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	10	57	0	0	0	0	0	0	0	0
8477106010	1	77	11	567	0	0	13	2482	8	256
106050	7	640	10	547	4	202	100	4678	41	2509
200010	0	0	6	207	0	0	7	771	0	0
200050	0	0	5	95	2	44	33	1811	0	0
300000	0	0	1	28	0	0	11	1317	1	75
400000	0	0	0	0	0	0	1	2094	2	760
8479899040	3	519	0	0	20	23	20	937	56	204
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	0	0	20	4	1	6
9024100000	0	107	0	0	0	61	0	342	0	140
9031100000	0	0	0	13	0	0	0	166	0	3
300000	0	0	0	0	0	57	0	83	0	0
9032810020	442	11	0	0	1325	6	42	7	13078	88
810060	0	0	7192	18	0	0	0	0	10	5

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	88	820	2	15	90	834
Bulgaria	0	0	0	0	0	0
Czechoslovakia	6	92	0	0	6	92
Denmark	29	183	0	0	29	183
East Germany	1	13	1	5	2	18
Finland	0	0	7	225	7	225
Hungary	0	0	0	0	0	0
Ireland	24	7	0	0	24	7
Luxembourg	0	0	4	337	4	337
Netherlands	147	787	10	29	157	816
Norway	0	0	0	0	0	0
Poland	27	397	0	0	27	397
Portugal	19	58	11	121	30	180
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	32	142	1	98	33	240
Oth Europe	0	0	22	436	22	436
TOTAL	8613	54584	640	15697	9253	70281
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	3	7	26	84	29	91
Oth N & C Am.	0	0	0	0	0	0
TOTAL	114	709	173	4562	287	5271
SOUTH AMERICA						
Argentina	5	113	0	0	5	113
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	115	713	4	132	119	845
OCEANIA						
Australia	11	319	0	0	11	319
New Zealand	0	0	1	170	1	170
Oth Oceania	0	0	0	0	0	0
TOTAL	11	319	1	170	12	490

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	13135	1138	210	81	13345	1219
Hong Kong	59	155	1	8	60	163
India	7	29	0	0	7	29
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	10	297	8	117	18	414
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	61563	103315	1952	23741	63515	127056
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	9	92	9	92
Swaziland	0	0	0	0	0	0
Oth Africa	1	9	0	0	1	9
TOTAL	1	9	9	92	10	101

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Cutting Machine Tools - June 89

RELEASED: August 30, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	307	2714	2	74
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	15	2406	4	796
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	4	867	1	221
100035	Horiz. mach. ctrs., ATC	24	9276	2	151
100045	Mach. ctrs., n.e.c.	84	6385	7	482
200010	Unit construction mach. (single station transfer), NC	3	2683	0	0
200090	Unit construction mach. (single station transfer), non-NC	3	884	0	0
300010	Multi-station transfer machines, NC	1	167	0	0
300090	Multi-station transfer machines, non-NC	13	2913	0	0
8458110010	Horiz. lathes, multiple spindle, NC	2	456	2	456
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	100	8213	18	1412
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	20	3400	6	1150
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	4	385	0	0
190030	Horiz. engine or toolroom lathes, non-NC	49	997	5	96
190050	Automatic bar and/or chucking mach., single spindle, non-NC	16	59	3	8
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	21	1903	3	121
190090	Horiz. lathes, n.e.c., non-NC	113	1480	26	383
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	4	622	2	483
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	6	676	3	256
991050	Vertical turret lathes, non-NC	10	219	1	14
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	43	2338	3	154
8459100000	Way-type unit head machines	10	2600	0	0
210080	Other drilling machines, NC	39	2957	13	821
290040	Drilling machines, multiple spindle, non-NC	15	858	3	160
290050	Drilling machines, radial, non-NC	19	671	2	114
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	21	731	2	196
290090	Drilling machines, n.e.c., non-NC	55	3139	13	362
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	5	1799	1	107
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	1	366	0	0
310070	Boring-milling mach., n.e.c., NC	18	1751	2	387
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	30	-0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	99	2002	4	496
400040	Boring machines, vertical, NC	2	1182	0	0
400050	Boring machines, vertical, non-NC	15	262	5	106
400070	Boring machines, n.e.c., NC	1	1350	0	0
400080	Boring machines, n.e.c., non-NC	32	2097	17	576
510080	Milling machines, knee type, NC	20	1309	9	398
590030	Milling machines, knee type, non-NC	16	542	6	257
610080	Milling machines, excl. knee type, n.e.c., NC	15	2740	0	0
690050	Milling machines, profile, dup., or die sinking, non-NC	18	930	2	178
690070	Milling machines, bed type, non-NC	27	5353	0	0
690090	Milling machines, n.e.c., non-NC	207	4913	20	576
700020	Threading or tapping machines, n.e.c., NC	4	128	0	0
700080	Threading or tapping machines, n.e.c., non-NC	151	4377	29	364
8460110080	Flat surface grinding mach., NC	71	5574	8	610
190010	Flat surface grinding mach., recip.-table type, non-NC	36	591	3	50
190050	Flat surface grinding mach., n.e.c., non-NC	75	4465	8	735
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	168	13965	41	4849
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	22	2465	4	846
290030	Grinding mach., internal cylindrical, non-NC	33	1594	4	437
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	268	8697	52	2014
310080	Sharpening machines (tool & cutter grinding), NC	21	675	5	163
390050	Sharpening machines (tool & cutter grinding), non-NC	496	4700	52	468
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	405	4558	92	1074
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	25	2650	2	59
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	273	5741	50	1183
8461100060	Planing machines, NC	2	3163	1	3138
100080	Planing machines, non-NC	93	3628	9	1203
200010	Shaping or slotting machines, NC	0	0	0	0
200090	Shaping or slotting machines, non-NC	25	477	11	87
300060	Broaching machines, NC	1	248	0	0
300080	Broaching machines, non-NC	22	1365	13	495
401050	Gear hobbers	28	4239	3	408
401070	Gear shapers	12	533	1	190
401090	Gear cutting machines, n.e.c.	38	7261	11	2100
405060	Gear grinding or finishing machines	33	4813	7	2024
500050	Sawing or cutting-off machines, NC	22	1025	10	208
500090	Sawing or cutting-off machines, non-NC	526	7031	120	1619
9000000001	Metal cutting machine tools, n.e.c.	133	4257	31	1174
9800000001	Used or rebuilt machine tools	3452	27248	435	4521
9900000001	Machine tools valued at less than $2,500	18962	7895	2396	905
	Cutting Total			3585	41913
	Y-T-D Cutting Total	26875	219988		
	NC Y-T-D Cutting Total*	698	78959		

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools – June 89

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	32
8457100015	0	0	0	0	0	0	0	0	4	796
100025	0	0	0	0	0	0	0	0	1	221
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	3	310	0	0	1	20
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	1	105
110050	1	355	0	0	0	0	0	0	2	280
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	8	86
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	2	126
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	2	110	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	9	0	0	0	0	0	0	2	7
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	2	43
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	15	300
510080	0	0	0	0	0	0	7	229	1	111
590030	3	50	0	0	0	0	0	0	1	69
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	5
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	127	0	0	5	33
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	1	9	1	7
190050	0	0	0	0	0	0	1	107	2	69
210080	0	0	0	0	0	0	0	0	4	122
290010	0	0	0	0	0	0	0	0	2	210
290030	0	0	0	0	0	0	0	0	1	18
290050	0	0	0	0	13	160	0	0	4	760
310080	0	0	0	0	0	0	0	0	0	0
390050	6	17	0	0	0	0	4	25	13	92
400060	0	0	0	0	0	0	0	0	0	0
400080	20	111	1	16	3	46	0	0	3	25
900060	0	0	0	0	0	0	0	0	2	59
900080	5	332	0	0	2	10	0	0	9	47
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	28	0	0	0	0	1	5	2	202
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	5	229
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	1	190	0	0
401090	0	0	0	0	2	198	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	2	21
500090	0	0	0	0	1	9	2	33	37	468
9000000001	0	0	0	0	0	0	0	0	4	26
9800000001	60	324	0	0	1	32	1	37	91	733
9900000001	78	49	0	0	0	0	5	7	923	203
Month Tot	177	1385	1	16	27	891	23	640	1152	5525
Y-T-D Tot	451	5041	35	471	132	4056	230	4054	11890	29818
NC YTD Tot*	9	885	0	0	25	2793	8	460	115	10008

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - June 89

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	2	456	0	0
110030	0	0	4	255	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	4	315
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	2	387	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	3	491	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	274	2	691	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	332	0	0	0	0
310080	0	0	1	29	0	0	1	35	1	48
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	6	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	3	59	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	172
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	220
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	6	112	2	34	0	0	0	0	0	0
9000000001	1	5	1	388	0	0	0	0	1	63.
9800000001	0	0	3	14	0	0	0	0	3	89
9900000001	0	0	57	37	1	2	3	2	14	21
Month Tot	10	778	74	1513	2	334	9	983	25	928
Y-T-D Tot	324	13635	512	8469	145	4158	84	2989	225	7646
NC YTD Tot*	78	8913	42	6208	4	1339	4	1086	6	995

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U.S. EXPORTS

Metal Cutting Machine Tools - June 89

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	3	152	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	2	245	0	0
110090	0	0	0	0	0	0	1	102	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	3	73	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	1	19	0	0
911060	0	0	0	0	0	0	12	264	0	0
911080	0	0	2	483	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	3	256	0	0
995090	0	0	0	0	0	0	1	14	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	7	333	3	318	0	0	0	0	0	0
290040	1	50	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	1	107	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	2	36	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	2	276	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	2	138	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	13	0	0	0	0	0	0
700020	0	0	0	0	0	0	16	426	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	4	286	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	22	1128	0	0	0	0	2	109	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	2	51	0	0	5	50	0	0
390050	1	141	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	4	40	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	1	3	1	96	0	0
900080	4	130	0	0	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	4	146	0	0
100080	0	0	3	790	0	0	0	0	0	0
200010	0	0	0	0	0	0	1	6	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	10	76	0	0
300080	0	0	7	206	0	0	0	0	0	0
401050	0	0	1	13	0	0	1	60	0	0
401070	0	0	0	0	0	0	2	395	0	0
401090	2	316	2	962	0	0	0	0	0	0
405060	1	1184	0	0	0	0	3	350	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	11	156	1	3	0	0	0	0	0	0
9000000001	1	345	0	0	0	0	6	50	16	184
9800000001	4	61	28	239	1	25	15	143	0	0
9900000001	157	6	172	72	0	0	107	1308	18	24
							110	132	7	6
Month Tot	211	3850	222	3150	2	28	324	5358	41	214
Y-T-D Tot	1985	15669	692	21534	56	427	3615	28692	353	3202
NC YTD Tot*	59	4497	38	6917	2	69	74	6589	17	1877

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U.S. EXPORTS

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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	2	151	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	142	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	2	102	0	0	0	0	0	0
190090	0	0	1	14	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	2	83	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	114	0	0	0	0	0	0	0	0
290070	0	0	0	0	2	196	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	3	9	0	0	0	0
8460110080	0	0	0	0	0	0	1	74	0	0
190010	0	0	0	0	0	0	1	34	0	0
190050	1	72	0	0	0	0	0	0	0	0
210080	1	733	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	2	546	0	0	0	0	9	107	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0-	3	19	15	96	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	1	23	0	0	6	59	4	45	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	9	2	119	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	1	10	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	2	55	3	113	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	24	0	0	0	0	0	0
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	2	10	3	5	0	0	5	65	8	429
9900000001	19	22	0	0	18	12	30	18	0	0
Month Tot	32	1745	7	145	37	511	71	683	8	429
Y-T-D Tot	582	4956	197	1451	164	2467	462	4544	69	1118
NC YTD Tot*	24	1927	1	677	13	1513	10	890	5	178

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U.S. EXPORTS
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	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	42
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	9	665	0	0	0	0	0	0	0	0
110050	2	413	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	2	23
190050	0	0	0	0	0	0	0	0	3	8
190070	0	0	0	0	0	0	0	0	0	0
190090	2	11	0	0	0	0	0	0	3	8
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	1	28	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	88	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	6	31
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	1	5	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	27
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	1	58	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	2	178	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	101	0	0	0	0	0	0	1	31
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	4	0	0	18	190
8460110080	0	0	0	0	0	0	3	250	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	1	12	0	0	1	367
210080	5	518	0	0	0	0	4	1282	2	103
290010	1	36	0	0	0	0	1	600	0	0
290030	1	50	0	0	0	0	1	37	0	0
290050	1	195	0	0	0	0	18	195	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	6	38	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	2	31	0	0	41	502	8	111
900060	0	0	0	0	0	0	0	0	0	0
909080	0	0	0	0	0	0	17	249	3	83
8461100060	1	3138	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	54
405060	1	672	0	0	0	0	0	0	0	0
500050	7	163	0	0	1	24	0	0	0	0
500090	27	421	1	8	0	0	4	25	5	92
9000000001	2	38	0	0	0	0	3	57	3	105
9800000001	2	11	0	0	5	6	17	639	76	471
9900000001	138	58	0	0	10	7	4	2	650	250
Month Tot	201	6495	3	39	20	138	122	4141	784	1995
Y-T-D Tot	1209	20628	6	729	230	4532	939	12311	2288	17391
NC YTD Tot*	80	11807	0	0	5	283	22	4138	57	4909

Please see notes on last page of the metal forming section.

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RELEASED: August 30, 1989

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	321	5731	50	1498
8462100030	Headers and upsetters, including cold headers	45	8908	17	2924
100050	Forging or die stamping machines, and hammers, n.e.c.	323	11666	57	1324
210080	Bending, folding, straight. or flat. mach., incl presses, NC	195	13457	30	2368
290030	Press brakes, non-NC	21	995	4	171
290040	Bending rolls, non-NC	41	1314	3	73
290050	Bending, folding, straight., or flat., n.e.c., non-NC	295	11283	35	1657
310080	Shearing machines, NC	33	2856	2	103
390050	Shearing machines, non-NC	78	1972	8	172
410080	Punching or notching mach., incl. comb. punch & shear, NC	72	11411	10	1526
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	416	13800	100	2864
910060	Hydraulic presses, NC	50	1926	12	421
910090	Hydraulic presses, non-NC	299	11780	32	2193
990030	Presses, n.e.c., NC	29	3917	3	430
990040	Presses, mechanical, non-NC	97	4127	14	773
990060	Presses, n.e.c., non-NC	323	15540	82	4246
8463100080	Draw benches for bars, tubes, profiles, wire or the like	161	3455	21	436
200080	Thread rolling machines	25	2387	1	65
300080	Machines for working wire	566	19535	72	1932
900080	Metal forming machine tools, n.e.c.	1370	60064	149	8001
9800000002	Used or rebuilt machine tools	1964	37860	286	11579
9900000002	Machine tools valued at less than $2,500	3201	2424	439	344
	Forming Total			1427	45100
	Y-T-D Forming Total	9925	246407		
	NC Y-T-D Forming Total	379	33567		
	Cutting and Forming Totals:				
	Monthly Total			5012	87013
	Y-T-D Total	36800	466395		
	NC Y-T-D Total*	1077	112525		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	336406	0	55008
2710003070	Quenching or cutting oils	0	5495	0	892
8428900010	Industrial robots for lifting, handling, loading or unload	560	7785	107	2717
8456100000	Laser, light or photon beam for working any material	1872	22504	140	4583
200000	Ultrasonic process for working any material	75	401	4	95
8477106010	Injection molding mach., for rubber or oth. thermosetting	130	12113	8	520
106050	Injection molding mach., for thermoplastics	235	29168	76	5836
200010	Extruders for rubber or other thermosetting materials	124	4965	28	867
200050	Extruders for processing thermoplastics	569	21337	146	6021
300000	Blow molding machines	229	18266	44	1821
400000	Vacuum-molding and other thermoforming machines	859	8256	176	1430
8479899040	Industrial robots, n.e.c.	1268	17312	293	3906
900040	Industrial robot parts	0	6598	0	1180
8537100030	Numerical controls for controlling machine tools	7231	21033	714	5145
9024100000	Machines and appliances for testing metals	0	40088	0	4695
9031100000	Machines for balancing mechanical parts	0	13076	0	1267
300000	Profile projectors	0	4303	0	593
9032810040	Industrial process control instr., hydraulic or pneumatic	310567	20202	54330	4260

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not incluae code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. – Not elsewhere classified.

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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	26	285
8462100030	0	0	0	0	0	0	0	0	0	0
100050	2	42	0	0	0	0	0	0	8	214
210080	2	59	0	0	0	0	1	166	3	91
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	19
290050	0	0	0	0	0	0	0	0	14	211
310080	0	0	0	0	0	0	0	0	1	46
390050	0	0	0	0	0	0	0	0	6	138
410080	1	99	0	0	0	0	0	0	2	110
490050	1	15	0	0	0	0	0	0	7	64
910060	1	77	0	0	0	0	0	0	3	59
910090	0	0	0	0	0	0	0	0	3	204
990030	0	0	0	0	0	0	2	230	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	5	163
8463100080	0	0	0	0	0	0	0	0	1	10
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	2	39	4	66
900080	2	17	0	0	2	785	6	142	9	98
9800000002	2	59	0	0	0	0	11	506	18	213
9900000002	112	96	0	0	0	0	0	0	93	71
Month Tot	123	463	0	0	2	785	22	1083	204	2061
Y-T-D Tot	327	4485	103	616	91	1673	68	2919	1490	20692
NC YTD Tot	12	856	0	0	0	0	9	687	74	7036
C&F Month	300	1848	1	16	29	1676	45	1723	1356	7586
C&F Y-T-D	778	9526	138	1087	223	5729	298	6974	13380	50510
C&F NC YTD*	21	1741	0	0	25	2793	17	1147	189	17044

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	945	0	161	0	524	0	1764	0	9880
2710003070	0	49	0	0	0	0	0	0	0	171
8428900010	0	0	0	0	0	0	0	0	13	2007
8456100000	1	33	0	0	0	0	0	0	1	82
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	3	187
106050	0	0	0	0	0	0	4	467	28	1857
200010	0	0	0	0	0	0	2	298	0	0
200050	0	0	0	0	1	230	2	43	48	1369
300000	0	0	0	0	0	0	0	0	3	365
400000	54	148	0	0	32	274	0	0	13	187
8479899040	1	130	0	0	1	40	0	0	41	941
900040	0	2	0	0	0	18	0	0	0	113
8537100030	10	53	0	0	4	32	5	9	44	222
9024100000	0	89	0	0	0	57	0	20	0	745
9031100000	0	67	0	0	0	0	0	0	0	524
300000	0	0	0	0	0	0	0	0	0	31
9032810040	915	73	606	30	388	40	123	16	3956	501

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	9	1	6	0	0	5	54
8462100030	0	0	0	0	0	0	0	0	0	0
100050	2	70	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	42
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	76	2	750	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	1	9	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	30	386	1	13	1	5	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	1	200	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	2	689	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	1	27
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	4	81	0	0	0	0	8	190
900080	0	0	0	0	0	0	0	0	1	18
9800000002	13	44	1	10	0	0	2	2	6	8
9900000002	0	0	28	24	0	0	0	0	28	7
Month Tot	46	509	39	1102	4	760	2	2	50	346
Y-T-D Tot	207	7239	293	4660	75	5498	8	109	139	5163
NC YTD Tot	18	437	3	261	3	190	0	0	3	2249
C&F Month	56	1287	113	2615	6	1094	11	985	75	1274
C&F Y-T-D	531	20875	805	13129	220	9656	92	3098	364	12809
C&F NC YTD*	96	9349	45	6469	7	1529	4	1086	9	3245

Other Manufacturing Technology

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	735	0	1998	0	238	0	8	0	1440
2710003070	0	0	0	0	0	0	0	30	0	10
8428900010	12	119	54	485	0	0	0	0	0	0
8456100000	0	0	2	180	6	138	0	0	3	63
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	115	0	0	0	0	0	0
106050	0	0	0	0	0	0	0	0	2	135
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	1	30	0	0	0	0	6	153
300000	0	0	0	0	0	0	0	0	2	171
400000	3	338	0	0	0	0	0	0	1	78
8479899040	0	0	31	186	0	0	0	0	2	10
900040	0	19	0	43	0	0	0	0	0	0
8537100030	26	159	62	292	0	0	0	0	17	84
9024100000	0	22	0	84	0	22	0	0	0	153
9031100000	0	0	0	0	0	191	0	0	0	3
300000	0	0	0	0	0	0	0	0	0	0
9032810040	98	14	3947	217	0	0	2	4	3800	260

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	5	0	0	1	5	0	0
8462100030	7	1201	3	1179	0	0	1	6	0	0
100059	2	32	13	269	0	0	7	142	0	0
210080	12	406	0	0	0	0	3	164	0	0
290030	0	0	1	49	0	0	3	122	0	0
290040	0	0	0	0	0	0	1	38	0	0
290050	1	43	0	0	0	0	8	312	0	0
310080	0	0	0	0	0	0	1	57	0	0
390050	0	0	0	0	0	0	1	25	0	0
410080	1	555	2	270	2	314	1	33	0	0
490050	0	0	0	0	0	0	3	731	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	2	631	0	0	19	178	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	8	207	0	0	2	57	0	0
990060	2	356	1	255	0	0	48	600	0	0
8463100080	0	0	4	95	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	17	4	95	0	0	5	123	1	22
900080	2	35	44	5022	0	0	15	197	0	0
9800000002	12	174	32	636	0	0	174	1362	0	0
9900000002	6	5	9	6	0	0	59	55	6	5
Month Tot	46	2823	124	8719	2	314	352	4210	7	27
Y-T-D Tot	501	12298	679	16025	12	736	1812	22182	67	1435
NC YTD Tot	85	6770	14	1734	3	419	31	1654	10	1032
C&E Month	257	6673	346	11869	4	342	676	9568	48	241
C&E Y-T-D	2486	47967	1371	57559	68	1163	5427	50874	420	4637
C&E NC YTD*	144	11267	52	8651	5	488	105	8243	27	2909

Other Manufacturing Technology

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	4959	0	2028	0	194	0	5704	0	557
2710003070	0	20	0	27	0	2	0	34	0	8
8428900010	0	0	0	0	0	0	0	0	0	0
8456100000	20	1276	0	0	0	0	0	0	0	0
200000	1	23	0	0	0	0	0	0	1	69
8477106010	1	54	0	0	0	0	0	0	0	0
106050	0	0	1	103	0	0	2	114	0	0
200010	0	0	0	0	0	0	4	150	0	0
200050	2	15	34	236	0	0	22	497	0	0
300000	0	0	0	0	0	0	36	3029	0	0
400009	10	16	0	0	0	0	12	169	0	0
8479899040	2	9	24	699	0	0	23	244	0	0
900040	0	314	0	0	0	0	2	13	4	21
8517100030	19	1463	13	68	0	0	0	39	0	0
9024100000	0	1084	0	434	0	0	2	5	15	116
9031100000	0	14	0	19	0	16	0	140	0	42
300000	0	463	0	0	0	2	0	117	0	0
9032810040	930	146	1536	143	0	0	0	3	0	0
					0	0	9578	572	10424	587

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&E NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful

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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	4	338
100050	2	37	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	26	1	34	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	97	0	0	0	0	2	31	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	1	144	0	0	0	0	2	38
910060	0	0	0	0	0	0	0	0	1	8
910090	1	10	0	0	0	0	1	65	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	1	11	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	1	10	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	185	0	0	1	14	0	0
900080	0	0	1	10	0	0	3	85	0	0
9800000002	0	0	0	0	0	0	0	0	1	25
9900000002	10	8	0	0	0	0	0	0	0	9
Month Tot	15	162	4	339	1	26	9	239	8	408
Y-T-D Tot	124	1249	81	2768	33	944	97	5805	54	1689
NC YTD Tot	14	2436	0	0	7	310	8	957	2	199
C&F Month	47	1907	11	484	38	537	80	922	16	838
C&F Y-T-D	706	11205	278	4218	197	3411	559	10349	123	2807
C&F NC YTD*	38	4363	1	677	20	1824	18	1848	7	377

Other Manufacturing Technology

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1716	0	687	0	608	0	1263	0	125
2710003070	0	28	0	0	0	0	0	239	0	38
8428900010	0	0	0	0	0	0	0	0	0	0
8456100000	0	0	0	0	0	0	6	223	0	0
200000	0	0	2	53	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	8	0	0	0
106050	1	183	0	0	0	0	24	1538	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	2	541	0	0	0	0	3	87	0	0
300000	0	0	0	0	0	0	0	0	2	287
400000	2	23	0	0	3	9	1	6	0	0
8479899040	0	0	0	0	31	315	2	12	0	0
900040	0	45	0	2	0	20	0	0	0	0
8537100030	1	6	1	7	6	23	32	133	4	24
9024100000	0	50	0	50	0	48	0	44	0	0
9031100000	0	82	0	8	0	6	0	0	0	0
300000	0	0	0	0	0	0	0	44	0	0
9032810040	819	51	3227	188	0	0	488	40	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS

Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology

June 89

Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	28	0	0	2	1065	0	0	9	41
8462100030	0	0	0	0	0	0	2	201	0	0
100050	11	323	0	0	0	0	0	0	10	195
210080	1	13	0	0	0	0	0	0	5	1366
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	16
290050	3	50	0	0	1	9	1	73	1	6
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	1	146	0	0	0	0	0	0	0	0
490050	13	162	0	0	0	0	1	23	40	1283
910060	4	80	0	0	0	0	0	0	3	197
910090	0	0	0	0	0	0	1	948	5	157
990030	0	0	0	0	0	0	0	0	0	0
990040	1	294	0	0	0	0	0	0	3	215
990060	3	1571	0	0	2	19	2	356	16	226
8463100080	0	0	0	0	0	0	6	91	8	203
200080	0	0	0	0	0	0	0	0	1	65
300080	7	152	0	0	3	29	1	31	29	888
900080	3	139	0	0	2	20	6	85	53	1349
9800000002	3	7	0	0	2	110	0	0	9	8422
9900000002	16	9	0	0	0	0	40	30	32	28
Month Tot	70	2973	0	0	12	1252	60	1838	225	14657
Y-T-D Tot	714	26112	2	108	137	5752	468	12117	2343	39133
NC YTD Tot	42	2198	2	108	2	55	3	276	34	3703
C&F Month	271	9468	3	39	32	1390	182	5979	1009	16652
C&F Y-T-D	1923	46740	8	837	367	10284	1407	24428	4631	56523
C&F NC YTD*	122	14005	2	108	7	338	25	4414	91	8611

Other Manufacturing Technology

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	5438	0	85	0	545	0	6483	0	6922
2710003070	0	23	0	0	0	9	0	32	0	171
8428900010	2	66	0	0	0	0	0	0	26	40
8456100000	27	888	0	0	0	0	10	234	61	1396
200000	1	19	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	1	50
106050	1	100	0	0	1	324	6	423	4	556
200010	0	0	0	0	0	0	3	57	1	15
200050	3	82	0	0	0	0	3	80	5	126
300000	0	0	0	0	23	426	0	0	2	403
400000	0	0	0	0	2	12	5	36	27	60
8479899040	17	102	0	0	0	0	119	1047	16	381
900040	0	367	0	0	0	0	0	185	0	14
8537100030	181	1292	0	0	3	15	121	537	147	604
9024100000	0	621	0	0	0	2	0	309	0	661
9031100000	0	88	0	0	0	40	0	0	0	106
300000	0	12	0	0	0	0	0	41	0	0
9032810040	3909	280	0	0	292	108	2772	174	6525	817

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	3	127	0	0	3	127
Czechoslovakia	0	0	0	0	0	0
Denmark	5	3	9	29	14	32
East Germany	0	0	0	0	0	0
Finland	268	61	1	16	269	77
Greece	0	0	2	1255	2	1255
Hungary	4	3	0	0	4	3
Iceland	0	0	0	0	0	0
Ireland	1	52	0	0	1	52
Luxembourg	0	0	0	0	0	0
Norway	1	3	1	33	2	35
Poland	0	0	0	0	0	0
Portugal	0	0	5	114	5	114
Romania	0	0	0	0	0	0
Sweden	9	38	18	79	27	117
Turkey	0	0	0	0	0	0
Yugoslavia	2	46	4	154	6	200
Oth Europe	0	0	1	86	1	86
TOTAL	831	15226	274	9204	1105	24430
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	4	5	0	0	4	5
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	3	39	0	0	3	39
Dominican Rep	10	52	18	184	28	236
El Salvador	0	0	0	0	0	0
Guatemala	0	0	1	2	1	2
Haïti	0	0	0	0	0	0
Honduras	1	3	5	95	6	97
Jamaica	1	10	1	6	4	16
Panama	4	11	2	48	6	59
Trinidad	1	2	0	0	1	2
Oth N & C Am	3	68	1	2	4	69
TOTAL	1505	11073	584	6607	2089	17680
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Bolivia	0	0	0	0	0	0
Chile	9	100	13	330	22	430
Colombia	157	163	8	332	165	495
Ecuador	0	0	3	95	3	95
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Oth South Am	0	0	1	66	1	66
TOTAL	209	1041	59	3158	268	4199
OCEANIA						
New Zealand	8	110	1	14	9	123
Oth Oceania	0	0	0	0	0	0
TOTAL	185	1495	124	477	309	1971

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
June 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	74	146	51	1429	125	1575
Iran	0	0	0	0	0	0
Iraq	1	51	0	0	1	51
Israel	4	86	41	987	45	1073
Jordan	0	0	0	0	0	0
Kuwait	5	72	0	0	5	72
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	2	394	0	0	2	394
Philippines	10	65	8	298	18	363
Qatar	0	0	0	0	0	0
Saudi Arabia	39	90	24	545	63	635
Sri Lanka	1	2	0	0	1	2
Syria	0	0	0	0	0	0
United Arab Emr	20	19	0	0	20	19
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	4	105	4	105
TOTAL	723	12903	384	17302	1107	30205
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	0	0	0	0	0	0
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	129	168	2	8352	131	8520
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	3	8	0	0	3	8
Oth Africa	0	0	0	0	0	0
TOTAL	132	176	2	8352	134	8528

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000

A2620-3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICS

No. 126-89 September 27, 1989

U.S. FOREIGN TRADE -- JULY 1989

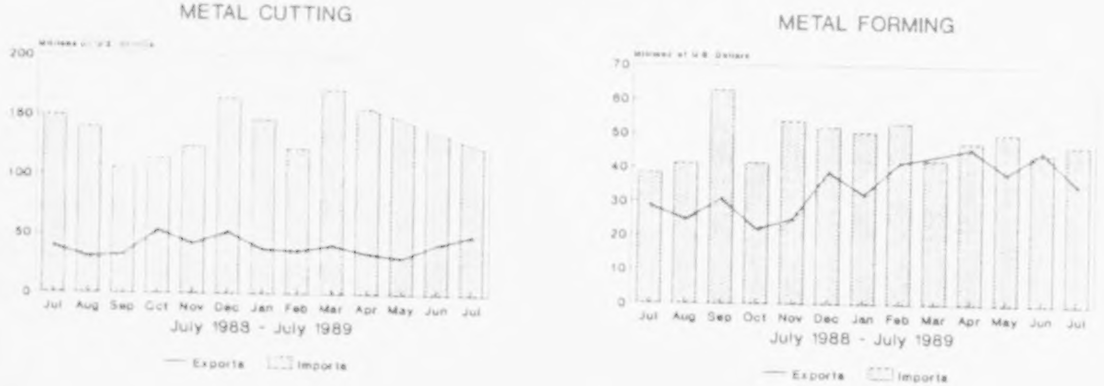
U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY
(Millions of U.S. Dollars)

	July 1989	June 1989	% Change July June	Year to Date '89	Year to Date '88	% Change '88-'89
METAL CUTTING MACHINE TOOLS						
Imports	$182.6	$159.6	14.4%	$1,104.2	$895.6	23.3%
Exports	$ 49.2	$ 41.9	17.4%	$269.2	$234.4	14.8%
Balance	-$133.4	-$117.7	13.3%	-$835.0	-$661.2	26.3%
METAL FORMING						
Imports	$ 46.9	$ 44.4	5.6%	$335.2	$264.2	26.9%
Exports	$ 35.3	$ 45.1	-21.7%	$281.7	$184.0	53.1%
Balance	-$ 11.6	$ 0.7	-1,757.1%	-$ 53.5	-$ 80.2	-33.3%
MACHINE TOOL TOTAL						
Imports	$229.5	$204.0	12.5%	$1,439.5	$1,159.9	24.1%
Exports	$ 84.4	$ 87.0	-3.0%	$ 550.8	$418.3	31.7%
Balance	-$145.1	-$117.0	23.9%	-$ 888.7	-$741.6	19.8%
NUMERICALLY CONTROLLED MACHINE TOOLS						
Imports	$133.4	$105.7	26.2%	$767.0	$506.4	51.5%
Exports	$ 19.3	$ 21.7	-11.1%	$131.8	$ 85.7	53.8%
Balance	-$114.1	-$ 84.0	35.8%	-$635.2	-$420.7	51.0%
OTHER MANUFACTURING TECHNOLOGY						
Imports	$105.8	$138.3	-23.5%	$860.3	NA	NA
Exports	$104.0	$100.8	3.2%	$693.3	NA	NA
Balance	-$ 1.8	-$ 37.5	-95.2%	-$167.0	NA	NA

Note: Numerically controlled machine tools includes both metal cutting and metal forming types, and are included in respective totals.

During July 1989 U.S. exports of metal cutting machine tools were sharply up, while exports of metal forming tools were sharply down compared with June. Imports of both metal cutting and metal forming machines were up. The U.S. balance of trade for machine tools dropped 24% compared with June; the year-to-date deficit is 20% higher than last year.

U.S. MONTHLY TRADE IN MACHINE TOOLS

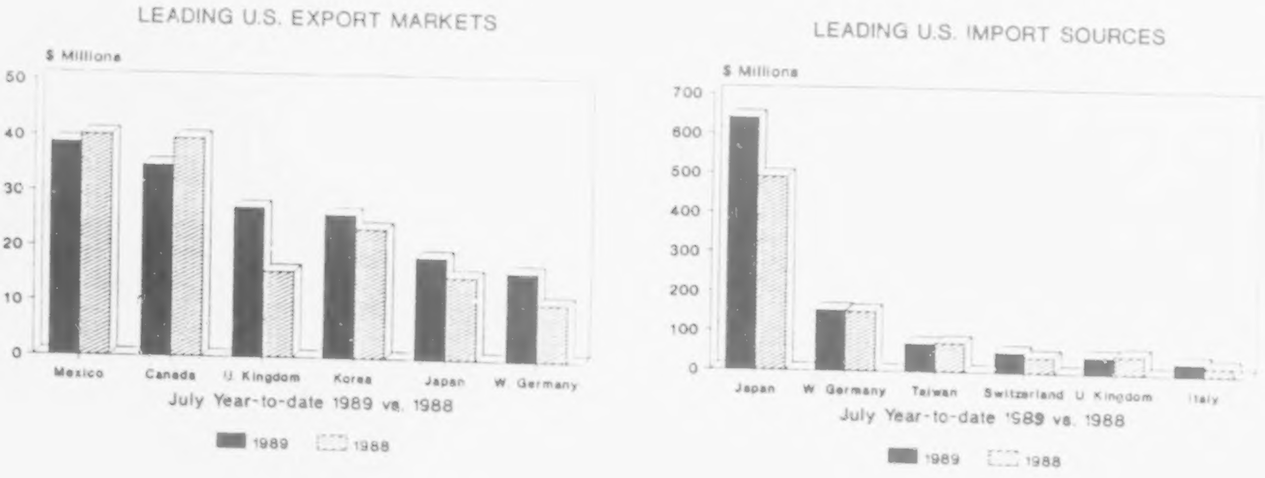


METAL CUTTING

Exports

In July, U.S. metal cutting machine tool exports rose 17% over June to $49.2 million, the highest monthly total since December 1988. Mexico was the largest market at $10.0 million, up 88% over June. Other strong export markets in July were the United Kingdom ($6.6 million); Canada ($4.9 million); Korea ($4.5 million); and West Germany ($3.7 million). Sales to India in July reached $2.8 million. Compared with one year ago, year-to-date export totals are up nearly 200% to Australia (to $6.6 million); 980% to Indonesia ($3.2 million); 178% to India ($7.0 million); and 133% to the Netherlands ($3.4 million). Exports of $1.5 million to Thailand were up from $0.3 million last year at this time.

METAL CUTTING MACHINE TOOL FOREIGN TRADE



Imports

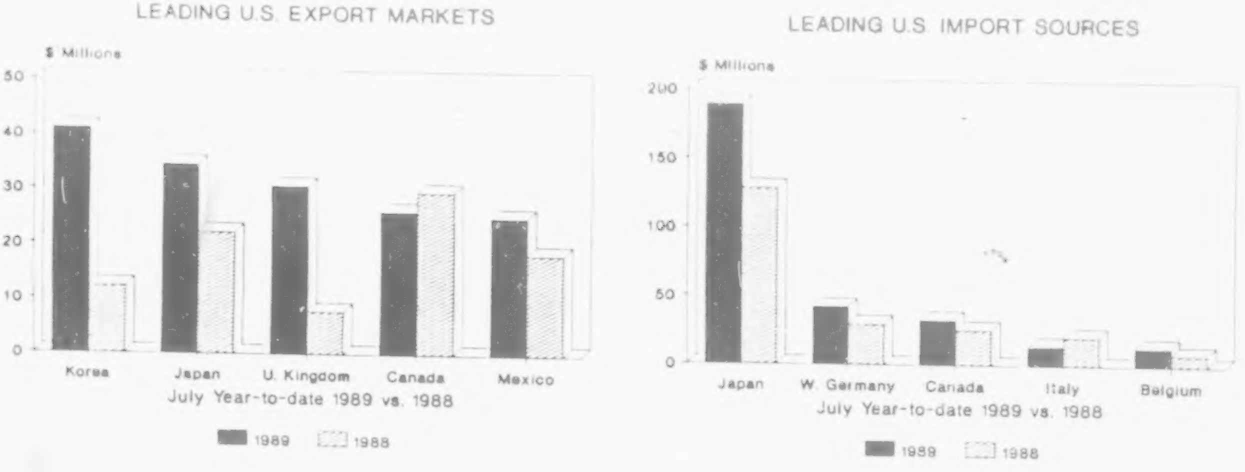
U.S. metal cutting imports rose 14% during July to $182.6 million, the highest monthly total ever. Japan's share of $103.1 million was 21% higher than July; Japan's year-to-date total of $639.9 million is 31% higher than one year ago. Compared with June, imports from West Germany were slightly higher in July, to $26.5 million; Germany's year-to-date total of $154.6 million is 2% ahead of last year. Compared with June, July imports from Canada rose 361% to $3.2 million; imports from Italy rose 65% to $6.0 million.

METAL FORMING

Exports

U.S. exports of metal forming machine tools fell sharply during July to $35.3, down 22% from June; however, year-to-date metal forming exports are up 53% over last year. Canada displaced Korea as the largest forming machine market with $5.3 million in July, up 158% over June. Korea's $8.7 million in June fell to $4.9 million in July, although Korea remains the largest export market year-to-date with $41.0 million, up 235% over one year ago. Exports to Mexico fell 31% compared with June, to $2.9 million; the United Kingdom was the third largest market in July, up 50% over June for a year-to-date total of $30.6 million, almost 300% higher than one year ago.

METAL FORMING MACHINE TOOL FOREIGN TRADE



Imports

July metal forming imports rose 6% to $46.9 million. Japan ($23.9 million) and West Germany ($8.6 million) accounted for 69% of the total; West Germany's total was up 52% over June. Imports from Sweden rose from $0.3 million in June to $1.5 million in July, although Sweden's year-to-date total ($5.8 million) is 3% lower this year than last. No imports of metal forming tools were recorded from Brazil in July; Brazil's year-to-date total of $0.1 million is down from $6.4 million at this time last year.

Other Manufacturing Technology

Exports

Exports of Other Manufacturing Technology rose 3% in July to $104.0 million. Exports of extruders for processing thermoplastics fell 58% to $2.5 million; exports of robots and parts fell 41% to $4.6 million. Blow molding machines exports rose 51% to $2.8 million. Exports of machine tool parts and accessories reached $68.6 million in July, up 25% over June. Major parts markets were Canada ($14.5, up 46% over June); the United Kingdom ($11.4 million, up 109%); and West Germany ($10.1 million, up 55%). Exports of numerical controls were down 17% compared with June, to $4.3 million.

Canada is the largest year-to-date export market for Other Manufacturing Technology at $119.5 million; others include the United Kingdom, $77.0 million; Japan, $74.4 million; Mexico, $63.9 million; West Germany, $56.9 million; and Korea, $54.3 million.

Imports

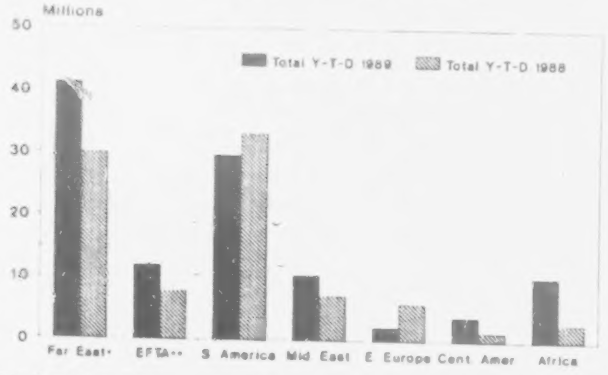
U.S. imports of Other Manufacturing Technology fell 24% in July to $105.8 million. Imports of robots fell 55% to $12.4 million. Imports of injection molding machinery for thermoplastics rose 14% from June to $25.0 million, while imports of vacuum-molding and other thermoforming machines fell to $0.8 million from $3.3 million in June. Imports of machines and appliances for testing metals fell 66% to $1.0 million.

U.S. imports of machine tool parts and accessories totalled $36.1 million in July, 36% lower than June. Japanese parts imports of $14.0 million were down 41% from June. West German parts imports were $8.3 million, down from $10.4 million in June. Imports of numerical controls rose 67% to $8.2 million in July compared with June.

MONTHLY FOCUS

U.S. Exports to World Regions

U.S. year-to-date machine tool exports are up for all regions of the world compared with 1988, except Eastern Europe and South America. Exports to Africa are up 255% over a year ago; exports to Central America (Mexico not included) are up 156% over last year. Not shown are exports to the EC, which are up 57% this year over last year to $143 million.



U.S. Exports to World Regions
Cutting and Forming Machines

*Hong Kong,Indonesia,Malaysia,Singapore, Philippines,Taiwan,Thailand. **Austria, Finland,Iceland,Norway,Sweden,Switzer

U.S. EXPORTS
Metal Cutting Machine Tools - July 89

RELEASED: September 27, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	312	3074	5	360
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	15	2406	0	0
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	4	867	0	0
100035	Horiz. mach. ctrs., ATC	34	11890	10	2614
100045	Mach. ctrs., n.e.c.	97	7961	13	1576
200010	Unit construction mach. (single station transfer), NC	3	2683	0	0
200090	Unit construction mach. (single station transfer), non-NC	3	884	0	0
300010	Multi-station transfer machines, NC	1	167	0	0
300090	Multi-station transfer machines, non-NC	13	2913	0	0
8458110010	Horiz. lathes, multiple spindle, NC	3	534	1	78
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	106	8672	6	458
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	26	4375	6	975
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	4	385	0	0
190030	Horiz. engine or toolroom lathes, non-NC	60	1365	11	367
190050	Automatic bar and/or chucking mach., single spindle, non-NC	16	59	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	27	2248	6	346
190090	Horiz. lathes, n.e.c., non-NC	143	1918	30	438
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	4	622	0	0
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	1	273	1	273
915070	Vertical lathes, excl. VTL's, n.e.c., NC	7	771	1	95
991050	Vertical turret lathes, non-NC	18	597	8	378
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	47	2589	4	250
8459100000	Way-type unit head machines	11	2646	1	46
210080	Other drilling machines, NC	54	4073	15	1116
290040	Drilling machines, multiple spindle, non-NC	17	951	2	93
290050	Drilling machines, radial, non-NC	19	671	0	0
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	21	731	0	0
290090	Drilling machines, n.e.c., non-NC	62	3360	7	220
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	5	1799	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	1	366	0	0
310070	Boring-milling mach., n.e.c., NC	18	1751	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	30	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	99	2002	0	0
400040	Boring machines, vertical, NC	2	1182	0	0
400050	Boring machines, vertical, non-NC	18	322	3	60
400070	Boring machines, n.e.c., NC	1	1350	0	0
400080	Boring machines, n.e.c., non-NC	33	2113	1	16
510080	Milling machines, knee type, NC	20	1309	0	0
590030	Milling machines, knee type, non-NC	30	1637	14	1095
610080	Milling machines, excl. knee type, n.e.c., NC	37	4652	22	1912
690050	Milling machines, profile, dup., or die sinking, non-NC	20	992	2	62
690070	Milling machines, bed type, non-NC	42	6143	15	790
690090	Milling machines, n.e.c., non-NC	228	5156	21	242
700020	Threading or tapping machines, n.e.c., NC	7	175	3	47
700080	Threading or tapping machines, n.e.c., non-NC	170	4832	19	455
8460110080	Flat surface grinding mach., NC	90	6723	19	1149
190010	Flat surface grinding mach., recip.-table type, non-NC	54	801	18	210
190050	Flat surface grinding mach., n.e.c., non-NC	76	5227	1	762
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	189	16123	21	2158
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	31	3322	9	857
290030	Grinding mach., internal cylindrical, non-NC	39	3487	6	1894
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	337	16142	69	7445
310080	Sharpening machines (tool & cutter grinding), NC	24	769	3	94
390050	Sharpening machines (tool & cutter grinding), non-NC	643	5992	147	1292
400060	Honing or lapping machines, NC	2	58	2	58
400080	Honing or lapping machines, non-NC	454	5768	49	1209
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	27	2695	2	45
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	319	8070	46	2329
8461100060	Planing machines, NC	6	3712	4	549
100080	Planing machines, non-NC	100	3722	7	95
200010	Shaping or slotting machines, NC	0	0	0	0
200090	Shaping or slotting machines, non-NC	34	822	9	345
300060	Broaching machines, NC	1	248	0	0
300080	Broaching machines, non-NC	22	1365	0	0
401050	Gear hobbers	29	4257	1	18
401070	Gear shapers	51	4015	39	3481
401090	Gear cutting machines, n.e.c.	47	8690	9	1430
405060	Gear grinding or finishing machines	39	5093	6	280
500050	Sawing or cutting-off machines, NC	25	1252	3	227
500090	Sawing or cutting-off machines, non-NC	594	8069	68	1038
9000000001	Metal cutting machine tools, n.e.c.	145	7308	12	3050
9800000001	Used or rebuilt machine tools	3872	30800	420	3552
9900000001	Machine tools valued at less than $2,500	21906	9157	2944	1262
	Cutting Total			4141	49191
	Y-T-D Cutting Total	31016	269178		
	NC Y-T-D Cutting Total*	833	93206		

Please see notes on last page
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U.S. EXPORTS
Metal Cutting Machine Tools - July 89

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	107
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	4	380	0	0	0	0	0	0
100045	0	0	0	0	4	442	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	1	81
110050	0	0	0	0	0	0	0	0	3	450
110090	0	0	0	0	0	0	0	0	0	0
190030	1	20	0	0	0	0	0	0	2	44
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	4	0	0	0	0	0	0	3	176
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	1	43	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	8	532
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	3	0	0	0	0	0	0	2	6
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	2	49
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	11	1014	0	0	0	0	0	0	3	81
610080	0	0	0	0	0	0	21	1761	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	7	130
700020	0	0	0	0	0	0	0	0	0	0
700080	7	21	0	0	3	256	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	27	4	151
290010	1	45	0	0	0	0	0	0	5	375
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	7	49
310080	0	0	0	0	0	0	0	0	0	0
390050	2	9	0	0	0	0	6	20	30	362
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	16	0	0	0	0	6	684
900060	0	0	0	0	0	0	0	0	1	19
900080	0	0	1	8	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	19	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	3	290	0	0	0	0	0	0	2	37
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	24	874
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	1	13
500090	2	59	0	0	0	0	0	0	13	113
9000000001	0	0	0	0	0	0	0	0	2	6
9800000001	6	31	0	0	0	0	1	48	28	337
9900000001	138	92	0	0	18	12	0	0	1255	221
Month Tot	174	1606	6	404	25	710	30	1899	1410	4896
Y-T-D Tot	625	6647	41	875	157	4766	260	5954	13300	34714
NC YTD Tot*	9	885	4	380	29	3236	30	2248	133	11254

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 89

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	2	1330	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	14	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	1	74	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	151
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	331	0	0	0	0	0	0	0	0
290010	0	0	1	74	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	1	30	0	0	0	0	0	0
390050	52	336	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	7	89	2	42	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	37	2	94	0	0	0	0	9	73
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	19	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	15	2607	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	180
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	0	0	0	0	0	0
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	51	128	3	4	8	131	4	176	1	5
9900000001	6	9	47	25	0	0	0	0	58	35
Month Tot	114	2244	62	329	26	2799	4	176	70	444
Y-T-D Tot	438	15879	574	8798	171	6957	88	3165	295	8090
NC YTD Tot*	81	10573	43	6237	4	1339	4	1086	7	1146

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U.S. EXPORTS
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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	107	0	0	0	0	2	81	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	2	760	0	0	0	0	0	0
100045	1	41	2	720	0	0	5	331	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	1	78	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	3	31	0	0	0	0	5	70	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	1	95	0	0
991050	0	0	0	0	0	0	2	244	2	32
995090	0	0	0	0	0	0	2	125	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	2	113	0	0	3	376	0	0
290040	0	0	0	0	0	0	1	19	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	2	102	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	1	11	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	16	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	1	8	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	12	85	1	14
700020	0	0	0	0	0	0	0	0	2	22
700080	0	0	0	0	0	0	1	5	0	0
8460110080	0	0	0	0	0	0	7	717	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	10	334	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	12	379	3	246	0	0	18	6336	0	0
310080	1	-45	0	0	0	0	0	0	0	0
390050	41	393	1	3	0	0	5	30	0	0
400060	0	0	0	0	0	0	1	37	0	0
400080	1	4	3	37	0	0	0	0	0	0
900060	1	26	0	0	0	0	0	0	0	0
900080	2	351	1	15	0	0	10	55	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	4	51	1	6
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	3	9	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	4	878	0	0	0	0	1	119	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	1	82	0	0	0	0	0	0	0	0
500090	14	250	1	13	1	20	6	58	7	84
9000000001	0	0	1	1900	1	61	3	17	0	0
9800000001	29	145	2	35	1	21	191	821	1	8
9900000001	5	3	528	314	0	0	209	154	6	5
Month Tot	116	2735	556	4489	3	102	498	10048	20	172
Y-T-D Tot	2101	18403	1248	26023	59	529	4113	38741	373	3375
NC YTD Tot*	63	4690	54	8844	2	69	92	8224	19	1900

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U.S. EXPORTS
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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	1	65	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	182	0	0	1	26	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	4	201	0	0	1	50	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	2	32	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210090	1	46	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	24	0	0	0	0	1	85	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	14	0	0	0	0	0	0
700020	0	0	0	0	0	0	1	25	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	12	432
190010	0	0	0	0	1	15	2	13	0	0
190050	0	0	1	762	0	0	0	0	0	0
210080	0	0	0	0	1	30	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	102	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	9	139	0	0	2	11	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	6	508	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	1	5	0	0	0	0	2	6	0	0
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	11	137	0	0	0	0	0	0	0	0
9900000001	9	14	0	0	20	12	23	15	0	0
Month Tot	24	328	16	1299	25	154	39	739	12	432
Y-T-D Tot	606	5284	213	2750	189	2621	501	5283	81	1550
NC YTD Tot*	25	1973	1	677	14	1543	11	915	17	610

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Metal Cutting Machine Tools - July 89

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	2	144	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	1	42	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	4	300	0	0	0	0	0	0	0	0
110050	3	525	0	0	0	0	0	0	1	78
110090	0	0	0	0	0	0	0	0	0	0
190030	5	82	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	8	124	0	0	0	0	1	95	0	0
911060	0	0	0	0	0	0	3	8	7	25
911080	0	0	0	0	0	0	0	0	0	0
915050	1	273	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	83	0	0	0	0	2	70	0	0
8459100000	1	46	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	48
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0		55	0	0
690070	0	0	0	0	0	0	1	790	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	2	155	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	6	18
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	15	182
210080	2	713	0	0	0	0	0	0	0	0
290010	1	62	0	0	0	0	2	573	0	0
290030	6	1894	0	0	0	0	1	300	0	0
290050	0	0	0	0	1	21	0	0	0	0
310080	0	0	0	0	0	0	27	313	0	0
390050	0	0	0	0	0	0	1	19	0	0
400060	0	0	0	0	0	0	10	139	0	0
400080	2	19	0	0	0	0	0	0	1	21
900060	0	0	0	0	0	0	2	21	14	146
900080	3	176	0	0	0	0	0	0	0	0
8461100060	4	549	0	0	0	0	7	105	4	906
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	1	8	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	18
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	3	253
500050	0	0	0	0	0	0	0	0	6	280
500090	9	252	0	0	0	0	1	132	0	0
9000000001	1	45	0	0	0	0	3	80	9	98
9800000001	13	1004	0	0	0	0	2	880	2	142
9900000001	281	133	0	0	3	22	4	25	63	474
					0	0	114	35	227	185
Month Tot	349	6577	0	0	4	43	198	3691	360	2874
Y-T-D Tot	1558	27205	6	729	234	4575	1137	16002	2648	20264
NC YTD Tot*	96	14310	0	0	5	283	28	5587	62	5197

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

RELEASED: September 27, 1989

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	360	6178	39	446
8462100030	Headers and upsetters, including cold headers	47	10112	2	1204
100050	Forging or die stamping machines, and hammers, n.e.c.	370	12762	47	1096
210080	Bending, folding, straight. or flat. mach., incl presses, NC	226	14668	31	1211
290030	Press brakes, non-NC	26	1145	5	150
290040	Bending rolls, non-NC	45	1382	4	69
290050	Bending, folding, straight., or flat., n.e.c., non-NC	339	12200	44	917
310080	Shearing machines, NC	36	2994	3	138
390050	Shearing machines, non-NC	96	2364	18	392
410080	Punching or notching mach., incl. comb. punch & shear, NC	87	13953	15	2542
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	485	14976	69	1176
910060	Hydraulic presses, NC	54	2847	4	922
910090	Hydraulic presses, non-NC	339	13128	40	1348
990030	Presses, n.e.c., NC	32	4108	3	191
990040	Presses, mechanical, non-NC	105	5100	8	973
990060	Presses, n.e.c., non-NC	365	20131	42	4592
8463100080	Draw benches for bars, tubes, profiles, wire or the like	208	4512	47	1057
200080	Thread rolling machines	29	2510	4	123
300080	Machines for working wire	614	21079	48	1544
900080	Metal forming machine tools, n.e.c.	1484	65519	114	5456
9800000002	Used or rebuilt machine tools	2347	47192	383	9332
9900000002	Machine tools valued at less than $2,500	3697	2801	496	377
	Forming Total			1466	35255
	Y-T-D Forming Total	11391	281662		
	NC Y-T-D Forming Total	435	38570		
	Cutting and Forming Totals:				
	Monthly Total			5607	84446
	Y-T-D Total	42407	550841		
	NC Y-T-D Total*	1268	131776		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	405004	0	68599
2710003070	Quenching or cutting oils	0	6800	0	1305
8428900010	Industrial robots for lifting, handling, loading or unload	611	9016	51	1232
8456100000	Laser, light or photon beam for working any material	1917	24839	45	2335
200000	Ultrasonic process for working any material	77	444	2	42
8477106010	Injection molding mach., for rubber or oth. thermosetting	136	12501	6	388
106050	Injection molding mach., for thermoplastics	263	31783	28	2615
200010	Extruders for rubber or other thermosetting materials	158	6041	34	1076
200050	Extruders for processing thermoplastics	616	23843	47	2506
300000	Blow molding machines	245	21022	16	2756
400000	Vacuum-molding and other thermoforming machines	969	10384	110	2127
8479899040	Industrial robots, n.e.c.	1534	19418	266	2106
900040	Industrial robot parts	0	7848	0	1249
8537100030	Numerical controls for controlling machine tools	8051	25327	820	4295
9024100000	Machines and appliances for testing metals	0	46281	0	6193
9031100000	Machines for balancing mechanical parts	0	14240	0	1164
300000	Profile projectors	0	4695	0	392
9032810040	Industrial process control instr., hydraulic or pneumatic	350193	23811	39626	3609

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	6	197
8462100030	0	0	0	0	0	0	0	0	1	193
100050	1	6	1	18	0	0	2	38	6	134
210080	6	121	0	0	0	0	0	0	3	153
290030	0	0	0	0	0	0	0	0	1	15
290040	0	0	0	0	0	0	0	0	3	46
290050	0	0	0	0	0	0	1	18	23	223
310080	0	0	0	0	0	0	0	0	0	0
390050	1	21	0	0	0	0	0	0	3	95
410080	0	0	0	0	0	0	0	0	6	1074
490050	0	0	0	0	0	0	0	0	4	30
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	1	124	1	43	4	103
990030	0	0	0	0	0	0	0	0	2	61
990040	0	0	0	0	0	0	0	0	2	298
990060	0	0	0	0	0	0	0	0	4	970
8463100080	0	0	0	0	0	0	4	97	13	353
200080	0	0	0	0	0	0	0	0	3	30
300080	1	38	1	16	0	0	2	22	3	121
900080	4	140	0	0	0	0	0	0	7	58
9800000002	3	55	0	0	0	0	4	763	32	1038
9900000002	6	6	0	0	0	0	0	0	124	124
Month Tot	22	387	2	33	1	124	14	981	250	5316
Y-T-D Tot	349	4872	105	650	92	1797	82	3900	1740	26009
NC YTD Tot	18	977	0	0	0	0	9	687	85	8324
C&F Month	196	1994	8	438	26	834	44	2880	1660	10212
C&F Y-T-D	974	11519	146	1525	249	6563	342	9854	15040	60723
C&F NC YTD*	27	1862	4	380	29	3236	39	2935	218	19578

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	965	0	152	0	615	0	1647	0	14457
2710003070	0	20	0	0	0	0	0	432	0	117
8428900010	6	15	0	0	0	0	0	0	7	99
8456100000	2	37	0	0	1	22	0	0	2	176
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	0	0	0	0	0	0	0	0	21	1976
200010	0	0	0	0	0	0	0	0	2	41
200050	0	0	0	0	0	0	0	0	13	388
300000	3	1122	0	0	0	0	0	0	1	34
400000	0	0	0	0	0	0	8	72	23	452
8479899040	0	0	0	0	0	0	0	0	83	479
900040	0	11	0	0	0	5	0	0	0	430
8537100030	9	53	0	0	8	12	0	0	56	222
9024100000	0	301	0	26	0	80	0	104	0	376
9031100000	0	4	0	0	0	0	0	0	0	161
300000	0	0	0	0	0	0	0	0	0	0
9032810040	440	63	1282	64	428	23	414	21	3439	526

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	1	8	1	6	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	1	11
210080	0	0	0	0	0	0	1	15	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	3	180
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	1	3	0	0	0	0	0	0
910060	0	0	0	0	1	877	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	1	130	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	1	176	2	14	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	5	136	0	0	0	0	0	0
900080	0	0	0	0	0	0	0	0	7	540
9800000002	0	0	4	62	0	0	0	0	6	153
9900000002	0	0	8	7	0	0	1	10	1	195
							0	0	0	0
Month Tot	0	0	20	515	4	898	3	31	18	1080
Y-T-D Tot	207	7239	313	5176	79	6396	11	140	157	6243
NC YTD Tot	18	437	4	392	4	1067	1	15	3	2249
C&F Month	114	2244	82	844	30	3697	7	207	88	1524
C&F Y-T-D	645	23118	887	13973	250	13353	99	3305	452	14332
C&F NC YTD*	99	11010	47	6629	8	2406	5	1101	10	3396

Other Manufacturing Technology

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	211	0	1230	0	525	0	73	0	1782
2710003070	0	0	0	0	0	0	0	21	0	25
8428900010	0	0	0	0	0	0	0	0	0	0
8456100000	0	0	0	0	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	8	327	0	0	0	0
200050	0	0	5	169	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	1	777	3	91	0	0	0	0	0	0
8479899040	0	0	0	0	0	0	0	0	0	0
900040	0	2	0	26	0	0	0	0	0	0
8537100030	8	42	86	394	0	0	0	0	31	145
9024100000	0	0	0	121	0	54	0	0	0	107
9031100000	0	0	0	10	0	381	0	0	0	2
300000	0	0	0	0	0	0	0	0	0	93
9032810040	359	198	2628	164	223	33	0	0	3588	240

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	119	0	0	0	0	0	0	1	6
8462100030	1	1011	0	0	0	0	0	0	0	0
100050	20	350	1	10	0	0	3	40	0	0
210080	1	32	11	414	0	0	2	148	0	0
290030	3	11	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	1	23	0	0
290050	0	0	0	0	0	0	6	142	2	43
310080	1	64	0	0	0	0	1	40	0	0
390050	0	0	0	0	1	20	7	116	0	0
410080	0	0	0	0	2	487	0	0	4	766
490050	1	59	2	59	0	0	22	135	0	0
910060	0	0	0	0	0	0	3	44	0	0
910090	0	0	4	458	0	0	20	208	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	3	97	0	0
990060	1	12	1	280	0	0	23	396	0	0
8463100080	0	0	0	0	0	0	17	330	0	0
200080	0	0	1	93	0	0	0	0	0	0
300080	1	14	0	0	6	81	4	29	1	8
900080	7	384	7	856	0	0	22	376	0	0
9800000002	2	30	3	2770	0	0	125	712	176	2758
9900000002	6	7	0	0	0	0	75	55	15	5
Month Tot	48	2093	30	4939	9	588	334	2892	199	3585
Y-T-D Tot	549	34391	709	40964	21	1323	2146	25074	266	5020
NC YTD Tot	87	6866	25	2148	5	905	37	1887	14	1797
C&F Month	164	4828	586	9428	12	690	832	12941	219	3758
C&F Y-T-D	2650	52795	1957	66987	80	1853	6259	63815	639	8395
C&F NC YTD*	150	11556	79	10991	7	974	129	10111	33	3697

Other Manufacturing Technology

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	4841	0	2269	0	103	0	4894	0	525
2710003070	0	100	0	27	0	0	0	16	0	11
8428900010	28	276	6	652	0	0	0	0	0	0
8456100000	11	1416	1	19	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	2	96	4	292	0	0
106050	0	0	0	0	0	0	2	118	1	80
200010	6	146	0	0	0	0	16	529	0	0
200050	2	16	0	0	3	61	2	42	0	0
300000	2	48	0	0	0	0	4	452	0	0
400000	15	31	0	0	0	0	5	164	47	402
8479899040	31	214	0	0	0	0	0	0	0	0
900040	0	88	0	410	0	0	0	8	0	0
8537100030	64	326	3	18	2	14	4	25	34	143
9024100000	0	1165	0	290	0	877	0	231	0	25
9031100000	0	5	0	0	0	8	0	132	0	18
300000	0	188	0	35	0	0	0	0	0	0
9032810040	3560	368	252	97	126	6	572	86	6180	337

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	1	3	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	11	0	0	1	15	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	3	215
490050	0	0	0	0	0	0	1	129	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	12	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	1	184	0	0
8463100080	0	0	2	55	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	16	0	0
900080	1	60	2	55	1	16	0	0	0	0
9800000002	1	10	1	48	0	0	2	81	0	0
9900000002	18	18	0	0	0	0	0	0	2	3
Month Tot	23	110	5	158	2	31	6	413	5	219
Y-T-D Tot	147	6359	86	2925	35	975	103	6218	59	1908
NC YTD Tot	14	2436	0	0	7	310	8	957	5	414
C&F Month	47	438	21	1457	27	185	45	1152	17	650
C&F Y-T-D	753	11643	299	5675	224	3596	604	11501	140	3458
C&F NC YTD*	39	4408	1	677	21	1854	19	1873	22	1024

Other Manufacturing Technology

1000000000	0	636	0	1028	0	766	0	921	0	201
2710003070	0	59	0	0	0	71	0	298	0	32
8428900010	0	0	0	0	0	0	0	0	0	0
8456100000	4	128	1	19	0	0	4	83	0	0
200000	0	0	2	42	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	1	28	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	5	52	0	0	0	0	0	0	0	0
8479899040	0	0	0	0	6	83	4	88	0	0
900040	0	15	0	0	0	115	0	14	0	0
8537100030	3	23	1	3	0	0	12	78	2	10
9024100000	0	37	0	120	0	79	0	107	0	42
9031100000	0	6	0	0	0	0	0	50	0	0
300000	0	4	0	0	0	20	0	4	0	0
9032810040	566	92	1085	72	60	8	2336	126	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	21	72	4	35
8462100030	0	0	0	0	0	0	0	0	0	0
100050	8	284	0	0	0	0	2	175	2	30
210080	6	316	0	0	0	0	0	0	1	13
290030	1	124	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	4	257	2	29
310080	0	0	0	0	1	34	0	0	0	0
390050	6	139	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	22	577	0	0	0	0	13	149	3	35
910060	0	0	0	0	0	0	0	0	0	0
910090	1	243	0	0	0	0	4	44	4	113
990030	0	0	0	0	0	0	0	0	0	0
990040	2	312	0	0	0	0	0	0	1	266
990060	5	1944	0	0	0	0	3	563	1	53
8463100080	0	0	0	0	0	0	7	139	4	83
200080	0	0	0	0	0	0	0	0	0	0
300080	11	322	0	0	0	0	4	180	1	22
900080	2	62	0	0	3	231	7	70	45	2995
9800000002	8	106	0	0	3	10	0	0	17	683
9900000002	101	34	0	0	0	0	39	30	102	88
Month Tot	173	4464	0	0	7	274	104	1678	187	4444
Y-T-D Tot	887	30576	2	108	144	6026	572	13795	2530	43577
NC YTD Tot	48	2513	2	108	3	89	3	276	35	3715
C&F Month	522	11041	0	0	11	317	302	5369	547	7317
C&F Y-T-D	2445	57781	8	837	378	10601	1709	29797	5178	63841
C&F NC YTD*	144	16824	2	108	8	372	31	5863	97	8912

Other Manufacturing Technology

1000000000	0	11387	0	3	0	1391	0	10075	0	7902
2710003070	0	13	0	0	0	0	0	0	0	63
8428900010	1	140	0	0	0	0	1	10	2	40
8456100000	0	0	1	25	0	0	0	0	18	411
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	2	211	0	0	0	0	1	155	1	75
200010	0	0	0	0	0	0	1	21	1	13
200050	3	47	0	0	0	0	10	242	8	1513
300000	1	540	0	0	0	0	2	264	3	297
400000	2	81	0	0	0	0	0	0	1	5
8479899040	32	582	0	0	2	9	90	544	18	107
900040	0	.36	0	0	0	0	0	35	0	6
8537100030	165	1365	0	0	1	4	243	1022	88	395
9024100000	0	790	0	0	0	18	0	532	0	715
9031100000	0	10	0	0	0	0	0	101	0	276
300000	0	16	0	0	0	0	0	0	0	32
9032810040	4516	438	0	0	134	37	2646	168	4792	442

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	1	146	0	0	1	146
Denmark	0	0	2	35	2	35
East Germany	0	0	0	0	0	0
Finland	2	8	0	0	2	8
Greece	0	0	0	0	0	0
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	0	0	3	727	3	727
Luxembourg	0	0	0	0	0	0
Norway	1	13	0	0	1	13
Poland	1	30	0	0	1	30
Portugal	2	44	0	0	2	44
Romania	0	0	0	0	0	0
Sweden	2	42	71	74	73	116
Turkey	2	4	0	0	2	4
Yugoslavia	0	0	1	53	1	53
Oth Europe	0	0	0	0	0	0
TOTAL	782	14069	601	12557	1383	26625
NORTH AND CENTRAL AMERICA						
Bahamas	31	22	0	0	31	22
Barbados	1	3	1	15	2	18
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	1	3	0	0	1	3
Dominican Rep	4	2	11	68	15	71
El Salvador	3	96	0	0	3	96
Guatemala	4	9	1	11	5	20
Haiti	0	0	1	15	1	15
Honduras	2	13	5	33	7	46
Jamaica	45	40	2	8	47	48
Panama	0	0	0	0	0	0
Trinidad	1	3	0	0	1	3
Oth N & C Am.	0	0	0	0	0	0
TOTAL	2000	15135	605	8360	2605	23495
SOUTH AMERICA						
Argentina	0	0	1	266	1	266
Bolivia	0	0	0	0	0	0
Chile	19	280	2	102	21	382
Colombia	16	101	5	54	21	155
Ecuador	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	2	76	2	76
Uruguay	0	0	0	0	0	0
Oth South Am.	1	3	0	0	1	3
TOTAL	70	2327	31	1754	101	4080
OCEANIA						
New Zealand	3	26	0	0	3	26
Oth Oceania	0	0	1	13	1	13
TOTAL	177	1632	23	400	200	2032

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	92	383	30	1565	122	1948
Iran	0	0	0	0	0	0
Iraq	6	280	2	2	8	282
Israel	28	822	2	27	30	849
Jordan	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	40	232	0	0	40	232
Qatar	0	0	0	0	0	0
Saudi Arabia	2	6	38	936	40	942
Sri Lanka	0	0	0	0	0	0
Syria	1	4	1	5	2	9
United Arab Emr	0	0	0	0	0	0
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	1063	15770	201	11827	1264	27597
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	13	152	1	11	14	163
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	1	77	1	77
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	23	97	3	270	26	367
Sudan	10	7	0	0	10	7
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	3	2	0	0	3	2
TOTAL	49	258	5	358	54	616

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS
Metal Cutting Machine Tools - July 89

RELEASED: September 27, 1989

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC	454	37276	65	4794
301030	Traveling wire electro-discharge machines, non-NC	140	9334	25	1250
301050	Electro-discharge machines, n.e.c., NC	113	5066	6	485
301070	Electro-discharge machines, n.e.c., non-NC	207	7915	41	1934
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	1317	108686	223	18533
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	121	14627	17	1740
100035	Horiz. mach. ctrs., ATC	418	79178	63	11207
100045	Mach. ctrs., n.e.c.	199	26292	32	6759
200010	Unit construction mach. (single station transfer), NC	13	1773	5	746
200090	Unit construction mach. (single station transfer), non-NC	13	549	0	0
300010	Multi-station transfer machines, NC	19	15715	9	6218
300090	Multi-station transfer machines, non-NC	75	18785	11	3183
8458110010	Horiz. lathes, multiple spindle, NC	174	27377	34	4721
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1918	144490	338	22423
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	357	47750	51	5915
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	56	7413	6	916
190030	Horiz. engine or toolroom lathes, non-NC	1701	16813	296	3223
190050	Automatic bar and/or chucking mach., single spindle, non-NC	299	9622	83	2575
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	59	3342	13	180
190090	Horiz. lathes, n.e.c., non-NC	616	8567	77	878
911060	Vertical turret lathes, multiple spindle, NC	16	6702	3	4515
911080	Vertical turret lathes, n.e.c., NC	26	3575	3	292
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	2	682	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	48	4698	5	459
991050	Vertical turret lathes, non-NC	25	2839	1	9
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	448	12371	33	719
8459100000	Way-type unit head machines	8	541	1	118
210080	Other drilling machines, NC	288	24932	61	3909
290040	Drilling machines, multiple spindle, non-NC	48	2447	6	29
290050	Drilling machines, radial, non-NC	253	1637	13	131
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	151	1262	18	225
290090	Drilling machines, n.e.c., non-NC	330	20935	6	909
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	5	1896	1	270
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	92	9176	4	299
310070	Boring-milling mach., n.e.c., NC	48	2721	4	208
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	31	1031	5	325
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	135	4855	33	864
400040	Boring machines, vertical, NC	12	5729	0	0
400050	Boring machines, vertical, non-NC	29	358	5	67
400070	Boring machines, n.e.c., NC	9	2298	0	0
400080	Boring machines, n.e.c., non-NC	162	9776	29	5261
510080	Milling machines, knee type, NC	721	11058	98	970
590030	Milling machines, knee type, non-NC	1946	18789	270	1997
610080	Milling machines, excl. knee type, n.e.c., NC	247	28005	119	7591
690050	Milling machines, profile, dup., or die sinking, non-NC	41	556	30	118
690070	Milling machines, bed type, non-NC	71	2013	13	163
690090	Milling machines, n.e.c., non-NC	362	9089	26	1643
700020	Threading or tapping machines, n.e.c., NC	184	10247	33	1977
700080	Threading or tapping machines, n.e.c., non-NC	164	7323	24	1906
8460110080	Flat surface grinding mach., NC	117	8568	14	2485
190010	Flat surface grinding mach., recip.-table type, non-NC	649	7336	138	1477
190050	Flat surface grinding mach., n.e.c., non-NC	1007	11313	126	1236
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	251	56756	63	13780
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	222	8675	22	1010
290030	Grinding mach., internal cylindrical, non-NC	91	7572	15	1838
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	828	26781	72	2990
310080	Sharpening machines (tool & cutter grinding), NC	166	2003	18	237
390050	Sharpening machines (tool & cutter grinding), non-NC	394	5864	48	674
400060	Honing or lapping machines, NC	29	6013	3	351
400080	Honing or lapping machines, non-NC	106	3095	23	488
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	37	3413	3	629
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	733	20579	104	4084
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	2	58	1	4
200010	Shaping or slotting machines, NC	26	1433	0	0
200090	Shaping or slotting machines, non-NC	36	1354	5	61
300060	Broaching machines, NC	9	2067	0	0
300080	Broaching machines, non-NC	39	3951	0	0
401050	Gear hobbers	66	10409	9	1183
401070	Gear shapers	8	1061	1	12
401090	Gear cutting machines, n.e.c.	258	935	6	388
405060	Gear grinding or finishing machines	126	11938	45	2100
500050	Sawing or cutting-off machines, NC	76	2097	20	236
500090	Sawing or cutting-off machines, non-NC	1087	14919	136	2369
9000000001	Metal cutting machine tools, n.e.c.	436	10936	86	794
9800000001	Used or rebuilt machine tools	3608	23645	122	2332
9900000001	Machine tools valued at less than $2,500	358363	53332	74276	9192
	Cutting Total			77595	182603
	Y-T-D Cutting Total	382941	1104215		
	NC Y-T-D Cutting Total	7612	711878		

Please see notes on last page
of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - July 89

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	0	0	0	0	0	0	0	0	0	0
301030	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	2	172	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	50
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	707
300090	0	0	0	0	1	1456	0	0	1	447
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	2	110	0	0
110090	0	0	0	0	0	0	0	0	1	382
190030	0	0	2	54	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	32	178	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	4	15	1	29	0	0	2	13
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	3	0	0	0	0
290040	0	0	0	0	0	0	0	0	6	29
290050	0	0	2	18	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	1	590	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	70
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	7	83
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	5	67
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	20	0	0	23	161
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	1	1342	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	10	1	9	5	1188
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	1	25	0	0
8460110080	0	0	0	0	0	0	1	20	4	882
190010	0	0	0	0	0	0	0	0	16	291
190050	0	0	0	0	0	0	0	0	5	81
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	2	55
290030	0	0	0	0	0	0	0	0	1	174
290050	0	0	0	0	4	47	4	49	7	222
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	4	18	0	0	2	13
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	5	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	36	1	4	1	10	0	0	14	342
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	2	147
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	5	2
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	20	153	0	0	1	3
9000000001	1	4	0	0	1	6	14	269	1	6
9800000001	2	289	0	0	18	114	1	12	1	111
9900000001	10	3	6	13	26	26	39	28	3175	481
Month Tot	14	331	47	283	81	3237	66	1284	3289	6007
Y-T-D Tot	83	4410	605	3478	2146	12368	1020	16210	21385	30508
NC YTD Tot	11	383	14	298	13	1832	38	1981	110	10169

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - July 89

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	60	4340	0	0	0	0	0	0	0	0
301030	4	236	0	0	0	0	0	0	0	0
301050	6	485	0	0	0	0	0	0	0	0
301070	25	1216	0	0	0	0	0	0	0	0
8457100015	166	15294	0	0	15	715	1	117	0	0
100025	6	1168	0	0	0	0	0	0	0	0
100035	54	9784	0	0	0	0	0	0	0	0
100045	3	1964	0	0	0	0	0	0	3	758
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	3236	0	0	0	0	0	0	0	0
300090	2	431	0	0	0	0	0	0	0	0
8458110010	24	3215	0	0	0	0	0	0	0	0
110030	301	19814	7	379	0	0	0	0	0	0
110050	47	5693	0	0	0	0	0	0	0	0
110090	0	0	2	204	0	0	0	0	0	0
190030	0	0	20	197	18	176	0	0	0	0
190050	18	1988	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	13	317	3	139	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	3	292	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	1	330	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	35	8	458	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	1	118
210080	54	3710	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	39	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	4	316	0	0	0	0	0	0	1	3
310010	1	270	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	1	236	0	0	0	0	0	0	0	0
390050	1	27	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	3165	0	0	0	0	0	0	0	0
510080	7	140	0	0	0	0	0	0	0	0
590030	2	105	0	0	0	0	107	710	0	0
610080	74	5236	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	1	73	0	0	0	0	0	0	0	0
690090	1	4	0	0	0	0	0	0	0	0
700020	32	1443	0	0	0	0	0	0	0	0
700080	17	1619	0	0	0	0	0	0	0	0
8460110080	1	26	0	0	0	0	0	0	0	0
190010	27	375	0	0	54	565	0	0	0	0
190050	15	46	0	0	0	0	1	55	2	13
210080	33	11146	0	0	0	0	0	0	0	0
290010	1	98	0	0	0	0	0	0	2	103
290030	0	0	0	0	0	0	0	0	1	318
290050	8	746	0	0	0	0	0	0	0	0
310080	1	15	0	0	0	0	0	0	0	0
390050	8	106	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	206	0	0	0	0	0	0	8	147
900060	3	629	0	0	0	0	0	0	0	0
900080	12	392	10	45	0	0	3	229	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	3	198	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	2	26	0	0	0	0	0	0	1	4
500050	10	187	0	0	0	0	0	0	0	0
500090	22	1045	0	0	0	0	0	0	0	0
9000000001	51	158	1	7	0	0	0	0	2	6
9800000001	22	465	0	0	0	0	1	8	1	4
9900000001	7119	1092	287	266	1	1	0	0	215	218
Month Tot	8271	103138	338	1696	88	1457	114	1157	237	1692
Y-T-D Tot	35371	639925	4431	14652	447	8500	1224	11299	1765	7061
NC YTD Tot	4955	538316	110	6768	87	4262	313	3447	6	1464

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - July 89

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	5	453	0	0	0	0	0	0	0	0
301030	8	922	13	91	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	5	389	3	32	0	0	1	202	7	94
8457100015	0	0	12	873	13	864	3	222	11	277
100025	0	0	9	449	2	124	0	0	0	0
100035	0	0	0	0	0	0	8	1384	1	40
100045	2	1357	2	158	0	0	15	2058	6	414
200010	0	0	0	0	0	0	5	746	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	7	2274	0	0
300090	1	109	0	0	0	0	6	740	0	0
8458110010	2	27	1	64	0	0	7	1415	0	0
110030	9	994	17	874	3	303	0	0	1	59
110050	0	0	2	112	0	0	0	0	0	0
110090	0	0	1	91	0	0	2	240	0	0
190030	0	0	76	743	59	602	0	0	121	1452
190050	0	0	51	501	0	0	2	31	12	55
190070	2	91	11	89	0	0	0	0	0	0
190090	0	0	12	92	17	151	0	0	0	0
911060	0	0	0	0	0	0	3	4515	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	4	130	0	0	0	0	0	0	0	0
991050	0	0	1	9	0	0	0	0	0	0
995090	0	0	5	30	3	14	0	0	9	125
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	5	53	1	143	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	9	0	0	0	0	9	65
290070	0	0	0	0	0	0	8	181	10	44
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	4	299
310070	0	0	0	0	0	0	3	138	0	0
390040	0	0	0	0	0	0	3	73	1	16
390050	0	0	24	103	0	0	1	652	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	147	0	0	1	1727	0	0	2	41
510080	0	0	40	350	40	412	0	0	11	69
590030	0	0	127	966	30	145	1	64	3	8
610080	0	0	39	547	0	0	2	111	3	355
690050	0	0	28	110	0	0	2	8	0	0
690070	0	0	11	83	1	8	0	0	0	0
690090	3	244	10	128	2	27	3	33	0	0
700020	0	0	0	0	1	533	0	0	0	0
700080	2	55	1	16	0	0	3	191	0	0
8460110080	0	0	0	0	2	12	6	1545	0	0
190010	0	0	22	61	0	0	19	186	0	0
190050	13	324	79	595	2	33	6	57	3	31
210080	1	187	1	29	0	0	28	2418	0	0
290010	6	623	4	37	0	0	3	46	4	48
290030	2	77	4	34	0	0	5	1207	2	29
290050	12	565	12	64	6	60	10	1220	9	17
310080	9	80	0	0	0	0	6	115	2	27
390050	0	0	0	0	12	70	19	346	3	121
400060	0	0	0	0	0	0	3	351	0	0
400080	0	0	0	0	8	92	1	10	3	28
900060	0	0	0	0	0	0	0	0	0	0
900080	12	1110	6	74	18	113	16	1128	10	602
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	1	4	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	18	2	29	0	0	0	0	2	14
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	4	838	0	0
401070	1	12	0	0	0	0	0	0	0	0
401090	1	386	0	0	0	0	0	0	0	0
405060	37	1066	0	0	0	0	0	0	5	1005
500050	0	0	0	0	0	0	10	49	0	0
500090	1	3	51	250	5	27	14	609	22	281
9000000001	0	0	0	0	1	32	4	237	10	68
9800000001	20	115	1	1	25	886	21	271	9	56
9900000001	27	31	41167	5686	212	146	519	411	21473	788
Month Tot	187	9514	41846	13379	468	6431	781	26469	21768	6527
Y-T-D Tot	976	50700	233036	70905	4668	42635	7125	154553	68659	37010
NC YTD Tot	137	20661	635	15412	448	19213	529	80929	206	6743

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

RELEASED: September 27, 1989

Metal Forming Machine Tools

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	2662	26281	21	3305
8462100030	Headers and upsetters, including cold headers	64	6625	5	573
100050	Forging or die stamping machines, and hammers, n.e.c.	980	52609	184	8764
210080	Bending, folding, straight. or flat. mach., incl presses, NC	723	19467	78	3213
290030	Press brakes, non-NC	248	6651	32	787
290040	Bending rolls, non-NC	57	1528	9	59
290050	Bending, folding, straight., or flat., n.e.c., non-NC	680	29562	97	2964
310080	Shearing machines, NC	30	3640	10	1328
390050	Shearing machines, non-NC	455	9153	122	1064
410080	Punching or notching mach., incl. comb. punch & shear, NC	249	24899	67	6112
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	393	9123	44	705
910060	Hydraulic presses, NC	25	2400	1	56
910090	Hydraulic presses, non-NC	242	17740	46	5404
990030	Presses, n.e.c., NC	33	4729	2	6
990040	Presses, mechanical, non-NC	66	23337	0	0
990060	Presses, n.e.c., non-NC	747	44837	54	2992
8463100080	Draw benches for bars, tubes, profiles, wire or the like	31	4703	6	2598
200080	Thread rolling machines	29	1395	8	431
300080	Machines for working wire	333	15258	85	3349
900080	Metal forming machine tools, n.e.c.	491	17700	65	977
9800000002	Used or rebuilt machine tools	500	9331	49	1416
9900000002	Machine tools valued at less than $2,500	13640	4280	3463	780
	Forming Total			4448	46882
	Y-T-D Forming Total	22678	335247		
	NC Y-T-D Forming Total	1060	55136		
	Cutting and Forming Totals:				
	Monthly Total			82043	229486
	Y-T-D Total	405619	1439462		
	NC Y-T-D Total	8672	767014		

Other Manufacturing Technology

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	377770	0	36078
2710003070	Quenching or cutting oils	0	45	0	3
8428900010	Industrial robots for lifting, handling, loading or unload	1256	28149	340	4223
8456101010	Laser, light or photon beam for working metal, NC	47	6880	0	0
101020	Laser, light or photon beam for working metal, non-NC	24	1869	12	635
105000	Laser, light or photon beam for other materials	1125	3344	62	548
201010	Ultrasonic processes for working metal, NC	5	647	1	227
201050	Ultrasonic processes for working metal, non-NC	11	25	1	3
205000	Ultrasonic processes for working other matarials	130	442	0	0
8477106010	Injection molding mach., for rubber or oth. thermosetting	583	57112	157	10713
106050	Injection molding mach., for thermoplastics	1563	160760	222	24954
200010	Extruders for rubber or other thermosetting materials	119	15555	21	1404
200050	Extruders for processing thermoplastics	432	26615	54	3440
300000	Blow molding machines	191	26955	50	4731
400000	Vacuum-molding and other thermoforming machines	177	14018	29	836
8479899040	Industrial robots, n.e.c.	12343	88843	496	8128
900040	Industrial robot parts	0	0	0	0
8537100030	Numerical controls for controlling machine tools	6940	31759	1447	8240
9024100000	Machines and appliances for testing metals	0	8863	0	1034
9031100000	Machines for balancing mechanical parts	0	4374	0	118
300000	Profile projectors	0	3142	0	217
9032810020	Industrial process control instr., hydraulic	104220	1547	15926	131
810060	Industrial process control instr., pneumatic	75872	1602	25525	163

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	4	27	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	1	76
100050	0	0	0	0	16	403	5	3	4	39
210080	6	509	0	0	2	26	1	37	0	0
290030	10	251	0	0	10	292	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	20	942	2	7	27	179
310080	2	87	0	0	0	0	0	0	0	0
390050	9	126	0	0	2	71	0	0	3	11
410080	0	0	0	0	0	0	1	19	6	292
490050	0	0	0	0	3	16	0	0	5	58
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	3	111	0	0	1	5
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	19	830	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	22	1104	0	0	0	0	0	0	14	1605
900080	0	0	0	0	10	385	0	0	6	77
9800000002	22	474	0	0	13	46	0	0	1	455
9900000002	0	0	0	0	1	2	0	0	52	40
Month Tot	71	2550	0	0	103	3151	9	67	120	2837
Y-T-D Tot	382	13297	11	143	3486	32385	90	989	758	13954
NC YTD Tot	37	1380	0	0	13	767	8	219	10	904
C&F Month	85	2882	47	283	184	6388	75	1351	3409	8844
C&F Y-T-D	465	17707	616	3621	5632	44753	1110	17198	22143	44462
C&F NC YTD	48	1763	14	298	26	2599	46	2200	120	11073

Other Manufacturing Technology

1000000000	0	132	0	87	0	1328	0	577	0	1044
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	0	0	26	472	0	0	0	0
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	7	611	6	857	16	1517
106050	0	0	0	0	22	3665	0	0	23	1522
200010	0	0	0	0	0	0	7	579	0	0
200050	0	0	0	0	0	0	0	0	1	571
300000	0	0	0	0	1	341	0	0	0	0
400000	0	0	0	0	0	0	1	6	1	2
8479899040	0	0	0	0	39	852	21	256	1	214
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	1	3	0	0	8	105
9024100000	0	0	0	0	0	32	0	0	0	0
9031100000	0	0	0	0	0	2	0	0	0	4
300000	0	0	0	0	0	0	0	0	0	6
9032810020	0	0	0	0	0	0	0	0	0	0
810060	0	0	0	0	0	0	424	3	360	29

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	7	3019	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	49	7540	0	0	3	14	0	0	0	0
210080	56	1774	0	0	0	0	1	50	1	22
290030	4	128	0	0	2	44	1	19	0	0
290040	8	21	0	0	0	0	0	0	0	0
290050	15	929	0	0	0	0	0	0	10	205
310080	2	415	0	0	0	0	0	0	1	71
390050	7	201	0	0	4	61	15	118	0	0
410080	16	1609	0	0	0	0	0	0	0	0
490050	8	199	0	0	0	0	12	129	6	97
910060	1	56	0	0	0	0	0	0	0	0
910090	23	3736	0	0	0	0	0	0	4	1025
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	7	267	0	0	0	0	0	0	0	0
8463100080	5	2439	0	0	0	0	0	0	1	5
200080	5	399	0	0	0	0	1	13	0	0
300080	40	441	0	0	0	0	1	45	0	0
900080	20	216	0	0	0	0	0	0	0	0
9800000002	2	188	0	0	0	0	0	0	2	27
9900000002	252	298	0	0	0	0	87	77	0	0
Month Tot	527	23875	0	0	9	120	118	450	25	1453
Y-T-D Tot	3345	188991	60	175	51	723	429	1742	222	5811
NC YTD Tot	689	31303	0	0	0	0	1	50	6	492
C&F Month	8798	127014	338	1696	97	1577	232	1607	262	3145
C&F Y-T-D	38716	828916	4491	14826	498	9223	1653	13041	1987	12871
C&F NC YTD	5644	569619	110	6768	87	4262	314	3497	12	1956

Other Manufacturing Technology

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	13967	0	211	0	718	0	160	0	842
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	82	2203	0	0	0	0	0	0	15	754
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	51	325	0	0	0	0	0	0	0	0
201010	1	227	0	0	0	0	0	0	0	0
201050	1	3	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477106010	73	4089	2	81	0	0	0	0	0	0
106050	64	11394	9	605	0	0	0	0	0	0
200010	2	490	0	0	0	0	0	0	0	0
200050	3	475	0	0	0	0	0	0	0	0
300000	3	1797	0	0	0	0	0	0	0	0
400000	3	675	0	0	0	0	0	0	0	0
8479899040	397	5352	0	0	0	0	0	0	6	327
900040	0	0	0	0	0	0	0	0	0	0
8537100030	1378	8093	0	0	0	0	51	33	0	0
9024100000	0	250	0	0	0	0	0	0	0	0
9031100000	0	16	0	3	0	0	0	0	0	191
300000	0	160	0	0	0	0	0	0	0	0
9032810020	0	0	1180	4	0	0	0	0	0	0
810060	69	18	22000	42	0	0	0	0	146	20

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 89

Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	9	73	1	186	0	0
8462100030	0	0	0	0	0	0	3	444	1	53
100050	0	0	1	3	10	135	4	437	92	189
210080	2	59	0	0	1	21	3	63	5	653
290030	0	0	0	0	0	0	0	0	5	52
290040	0	0	0	0	0	0	1	38	0	0
290050	0	0	4	52	3	158	8	440	8	52
310080	1	8	0	0	0	0	1	572	3	175
390050	0	0	11	34	54	273	1	10	16	159
410080	1	143	0	0	0	0	39	3488	4	561
490050	0	0	1	97	0	0	9	110	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	2	23	0	0	9	462	4	40
990030	2	6	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	2	64	25	1825	0	0
8463100080	0	0	0	0	0	0	1	159	0	0
200080	0	0	0	0	2	20	0	0	0	0
300080	1	39	0	0	1	7	6	109	0	0
900080	14	214	2	15	9	46	2	6	2	19
9800000002	1	12	0	0	2	13	5	196	1	5
9900000002	556	42	458	157	0	0	25	21	2032	143
Month Tot	578	522	479	380	93	810	143	8565	2173	2101
Y-T-D Tot	1262	9564	6283	5294	589	9180	1096	41791	4614	11208
NC YTD Tot	23	2613	23	565	5	291	179	12366	66	4186
C&F Month	765	10036	42325	13759	561	7241	924	35035	23941	8628
C&F Y-T-D	2238	60264	239319	76199	5257	51815	8221	196345	73273	48218
C&F NC YTD	160	23273	658	15978	453	19504	708	93295	272	10929

Other Manufacturing Technology

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	1801	0	2180	0	2306	0	8275	0	2450
2710003070	0	0	0	0	0	0	0	3	0	0
8428900010	1	106	0	0	3	235	213	452	0	0
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	12	635	0	0
105000	1	3	0	0	5	1	2	216	3	3
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477106010	2	218	27	770	4	123	11	1518	9	928
106050	3	641	12	674	2	32	72	5210	15	1211
200010	2	55	0	0	2	113	8	168	0	0
200050	1	20	6	216	29	479	13	1658	1	21
300000	0	0	1	17	0	0	45	2576	0	0
400000	2	115	0	0	0	0	22	38	0	0
8479899040	7	641	0	0	0	0	8	436	17	49
900040	0	0	0	0	0	0	0	0	0	0
8537100030	1	4	0	0	0	0	8	2	0	0
9024100000	0	212	0	0	0	126	0	95	0	128
9031100000	0	0	0	0	0	72	0	13	0	9
300000	0	0	0	0	0	46	0	5	0	0
9032810020	562	20	0	0	500	5	4	25	13680	77
810060	1	1	2396	7	0	0	5	5	124	37

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	401	563	23	21	424	584
Bulgaria	0	0	0	0	0	0
Czechoslovakia	8	54	2	24	10	78
Denmark	68	117	16	182	84	299
East Germany	10	1030	0	0	10	1030
Finland	1	385	8	1106	9	1492
Hungary	1	163	0	0	1	163
Ireland	0	0	0	0	0	0
Luxembourg	0	0	0	0	0	0
Netherlands	119	335	12	213	131	548
Norway	0	0	0	0	0	0
Poland	23	576	0	0	23	576
Portugal	16	67	12	150	28	217
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	132	1083	1	2	133	1085
Oth Europe	10	239	82	152	92	391
TOTAL	5945	57499	1313	19105	7258	76604
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	2	14	21	105	23	119
Oth N & C Am.	0	0	0	0	0	0
TOTAL	83	3251	124	3256	207	6507
SOUTH AMERICA						
Argentina	3	28	0	0	3	28
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	50	311	0	0	50	311
OCEANIA						
Australia	7	303	0	0	7	303
New Zealand	0	0	1	24	1	24
Oth Oceania	0	0	0	0	0	0
TOTAL	7	303	1	24	8	327

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	20945	990	1960	67	22905	1057
Hong Kong	0	0	1	2	1	2
India	14	75	7	11	21	86
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	6	414	7	33	13	447
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	1	59	0	0	1	59
Oth Asia	0	0	0	0	0	0
TOTAL	71509	121208	2990	24488	74499	145696
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	20	9	20	9
Swaziland	0	0	0	0	0	0
Oth Africa	1	31	0	0	1	31
TOTAL	1	31	20	9	21	40

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS

Metal Cutting Machine Tools - January 89 - June 89

RELEASED: September 27, 1989

		TOTAL YTD	
		UNITS	$000
8456300000	Electro-discharge machines	307	2714
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	15	2406
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	4	867
100035	Horiz. mach. ctrs., ATC	24	9276
100045	Mach. ctrs., n.e.c.	84	6385
200010	Unit construction mach. (single station transfer), NC	3	2683
200090	Unit construction mach. (single station transfer), non-NC	3	884
300010	Multi-station transfer machines, NC	1	167
300090	Multi-station transfer machines, non-NC	13	2913
8458110010	Horiz. lathes, multiple spindle, NC	2	456
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	100	8213
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	20	3400
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	4	385
190030	Horiz. engine or toolroom lathes, non-NC	49	997
190050	Automatic bar and/or chucking mach., single spindle, non-NC	16	59
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	21	1903
190090	Horiz. lathes, n.e.c., non-NC	113	1480
911060	Vertical turret lathes, multiple spindle, NC	0	0
911080	Vertical turret lathes, n.e.c., NC	4	622
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	6	676
991050	Vertical turret lathes, non-NC	10	219
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	43	2338
8459100000	Way-type unit head machines	10	2600
210080	Other drilling machines, NC	39	2957
290040	Drilling machines, multiple spindle, non-NC	15	858
290050	Drilling machines, radial, non-NC	19	671
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	21	731
290090	Drilling machines, n.e.c., non-NC	55	3139
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	5	1799
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	1	366
310070	Boring-milling mach., n.e.c., NC	18	1751
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	30
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	99	2002
400040	Boring machines, vertical, NC	2	1182
400050	Boring machines, vertical, non-NC	15	262
400070	Boring machines, n.e.c., NC	1	1350
400080	Boring machines, n.e.c., non-NC	32	2097
510080	Milling machines, knee type, NC	20	1309
590030	Milling machines, knee type, non-NC	16	542
610080	Milling machines, excl. knee type, n.e.c., NC	15	2740
690050	Milling machines, profile, dup., or die sinking, non-NC	18	930
690070	Milling machines, bed type, non-NC	27	5353
690090	Milling machines, n.e.c., non-NC	207	4913
700020	Threading or tapping machines, n.e.c., NC	4	128
700080	Threading or tapping machines, n.e.c., non-NC	151	4377
8460110080	Flat surface grinding mach., NC	71	5574
190010	Flat surface grinding mach., recip.-table type, non-NC	36	591
190050	Flat surface grinding mach., n.e.c., non-NC	75	4465
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	168	13965
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	22	2465
290030	Grinding mach., internal cylindrical, non-NC	33	1594
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	268	8697
310080	Sharpening machines (tool & cutter grinding), NC	21	675
390050	Sharpening machines (tool & cutter grinding), non-NC	496	4700
400060	Honing or lapping machines, NC	0	0
400080	Honing or lapping machines, non-NC	405	4558
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	25	2650
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	273	5741
8461100060	Planing machines, NC	2	3163
100080	Planing machines, non-NC	93	3628
200010	Shaping or slotting machines, NC	0	0
200090	Shaping or slotting machines, non-NC	25	477
300060	Broaching machines, NC	1	248
300080	Broaching machines, non-NC	22	1365
401050	Gear hobbers	28	4239
401070	Gear shapers	12	533
401090	Gear cutting machines, n.e.c.	38	7261
405060	Gear grinding or finishing machines	33	4813
500050	Sawing or cutting-off machines, NC	22	1025
500090	Sawing or cutting-off machines, non-NC	526	7031
9000000001	Metal cutting machine tools, n.e.c.	133	4257
9800000001	Used or rebuilt machine tools	3452	27248
9900000001	Machine tools valued at less than $2,500	18962	7895
	Y-T-D Cutting Total	26875	219988
	NC Y-T-D Cutting Total*	698	78959

Please see notes on last page
of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 89 - June 89

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	2	17	3	3	2	4	2	49	25	310
8457100015	0	0	0	0	0	0	0	0	10	1652
100025	0	0	0	0	0	0	0	0	4	867
100035	0	0	0	0	0	0	0	0	5	1071
100045	1	76	0	0	20	1831	0	0	12	1616
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	210
300010	0	0	0	0	0	0	0	0	1	167
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	121	0	0	3	231	0	0	10	856
110050	3	541	0	0	0	0	0	0	5	651
110090	0	0	0	0	0	0	0	0	3	310
190030	0	0	0	0	0	0	0	0	10	147
190050	0	0	0	0	0	0	2	16	0	0
190070	0	0	0	0	0	0	0	0	4	364
190090	5	38	0	0	0	0	0	0	26	382
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	12	0	0	1	133	0	0	7	689
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	45
290040	2	110	0	0	0	0	0	0	6	241
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	8	33
290090	1	9	0	0	0	0	0	0	21	1528
310010	0	0	0	0	0	0	0	0	1	470
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	2	238
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	11	157
400040	0	0	0	0	1	687	0	0	0	0
400050	0	0	0	0	0	0	0	0	2	43
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	15	300
510080	0	0	0	0	0	0	7	229	4	234
590030	3	50	0	0	0	0	1	29	4	157
610080	0	0	0	0	0	0	1	231	3	143
690050	0	0	0	0	0	0	0	0	4	204
690070	4	1049	0	0	0	0	0	0	14	1594
690090	1	5	0	0	0	0	47	1239	19	475
700020	0	0	0	0	0	0	0	0	2	45
700080	13	348	0	0	5	352	0	0	40	198
8460110080	0	0	0	0	1	44	0	0	3	135
190010	0	0	0	0	0	0	3	24	15	136
190050	1	115	9	203	0	0	7	464	8	376
210080	0	0	0	0	0	0	0	0	34	1232
290010	0	0	0	0	0	0	0	0	9	547
290030	0	0	0	0	0	0	0	0	1	18
290050	4	462	0	0	14	178	0	0	37	1177
310080	0	0	0	0	0	0	0	0	2	40
390050	8	45	0	0	0	0	6	161	102	1071
400060	0	0	0	0	0	0	0	0	0	0
400080	31	216	6	49	27	310	3	32	26	335
900060	3	147	0	0	0	0	0	0	3	77
900080	6	337	1	8	3	14	0	0	29	221
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	28	0	0	1	3	1	5	3	300
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	3	247
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	9	302
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	1	190	0	0
401090	0	0	0	0	2	198	1	59	0	0
405060	0	0	0	0	0	0	0	0	3	71
500050	0	0	0	0	0	0	0	0	10	158
500090	17	241	0	0	1	9	5	152	146	1530
9000000001	1	23	0	0	0	0	0	0	18	170
9800000001	88	868	4	200	1	32	18	1086	559	4118
9900000001	253	182	12	8	50	31	125	91	10590	2157
Y-T-D Tot	451	5041	35	471	132	4056	230	4054	11890	29818
NC YTD Tot*	9	885	0	0	25	2793	8	460	115	10008

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 89 - June 89

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	73	1	4	0	0	23	19
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	6	1647	1	3047	0	0	0	0	1	695
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	2	635	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	2	456	0	0
110030	20	1618	19	1438	1	162	0	0	0	0
110050	3	650	1	160	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	1	16	1	71	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	50	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	[illegible]	0	0
915070	0	0	0	0	0	0	0	[illegible]	0	0
991050	0	0	0	0	0	0	0	[illegible]	0	0
995090	2	76	0	0	2	114	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	1	39
210080	0	0	0	0	0	0	0	0	1	30
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	3	130	0	0
290070	0	0	1	9	0	0	0	0	0	0
290090	1	50	1	9	2	42	0	0	4	315
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	6	619	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	70	1744	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	1	1350	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	3	222
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	18	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	3	367	0	0	0	0	0	0
8460110080	1	269	0	0	1	30	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	18	313	0	0	0	0	0	0	0	0
210080	31	2178	11	1014	0	0	0	0	0	0
290010	1	125	3	69	1	271	0	0	1	25
290030	0	0	1	34	7	573	0	0	0	0
290050	6	76	0	0	1	110	0	0	4	23
310080	1	26	1	29	0	0	1	35	1	48
390050	87	581	0	0	7	43	2	21	2	659
400060	0	0	0	0	0	0	0	0	0	0
400080	9	199	13	113	3	64	0	0	19	166
900060	9	556	0	0	2	1147	0	0	0	0
900080	1	22	14	106	0	0	1	5	5	38
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	115	0	0	1	130	0	0	2	190
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	20
401050	0	0	1	342	0	0	0	0	3	578
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	7	721	0	0	4	1654
405060	0	0	0	0	0	0	0	0	15	2050
500050	0	0	0	0	0	0	0	0	0	0
500090	7	163	6	280	4	71	0	0	7	113
9000000001	1	5	9	520	0	0	1	596	3	81
9800000001	73	2313	84	640	7	540	0	0	16	607
9900000001	36	31	340	154	97	67	4	3	109	73
Y-T-D Tot	324	13635	512	8469	145	4158	84	2989	225	7646
NC YTD Tot*	78	8913	42	6208	4	1339	4	1086	6	995

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 89 - June 89

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	196	1583	2	69	0	0	17	187	3	5
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	6	1600	0	0	1	884	0	0
100045	0	0	3	402	0	0	33	1627	0	0
200010	0	0	1	1030	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	1	121	2	710	0	0	4	704	1	220
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	186	0	0	0	0	2	245	0	0
110050	0	0	0	0	0	0	2	235	0	0
110090	0	0	0	0	0	0	1	75	0	0
190030	0	0	0	0	0	0	9	156	0	0
190050	0	0	0	0	0	0	10	32	0	0
190070	0	0	5	950	0	0	1	19	0	0
190090	5	55	1	4	0	0	51	639	2	8
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	2	483	0	0	2	139	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	2	388	0	0	0	0	4	288	0	0
991050	0	0	0	0	0	0	1	14	0	0
995090	0	0	0	0	2	181	6	124	0	0
8459100000	0	0	0	0	0	0	7	1772	0	0
210080	8	377	3	318	0	0	13	683	0	0
290040	1	50	0	0	0	0	2	138	0	0
290050	0	0	7	340	0	0	2	15	0	0
290070	0	0	0	0	0	0	1	4	0	0
290090	0	0	2	166	0	0	9	649	0	0
310010	0	0	1	643	0	0	1	107	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	3	239	0	0	1	181	0	0
390040	0	0	1	30	0	0	0	0	0	0
390050	0	0	0	0	0	0	6	30	0	0
400040	0	0	1	496	0	0	0	0	0	0
400050	0	0	0	0	0	0	9	129	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	2	818	0	0	10	413	0	0
510080	2	547	0	0	2	69	1	71	0	0
590030	0	0	0	0	0	0	3	155	0	0
610080	0	0	2	856	0	0	4	1130	0	0
690050	0	0	0	0	0	0	1	5	0	0
690070	0	0	1	1720	0	0	0	0	0	0
690090	1	36	29	722	0	0	87	1009	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	5	126	3	18	0	0	24	219	0	0
8460110080	2	47	1	145	0	0	6	875	16	1866
190010	1	96	6	75	0	0	6	62	0	0
190050	5	404	0	0	0	0	7	168	0	0
210080	34	2036	11	374	0	0	1	19	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	3	151	0	0	0	0	2	146	0	0
290050	41	1623	1	569	0	0	51	638	17	202
310080	6	223	2	51	0	0	1	28	0	0
390050	16	232	4	24	12	78	33	279	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	5	50	11	144	4	44	15	265	4	45
900060	1	19	1	34	0	0	0	0	0	0
900080	13	565	11	761	0	0	105	2181	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	4	812	4	855	0	0	61	960	1	5
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	9	0	0	13	123	0	0
300060	0	0	1	248	0	0	0	0	0	0
300080	1	11	9	954	0	0	2	78	0	0
401050	0	0	8	1836	0	0	4	807	0	0
401070	0	0	1	19	0	0	1	25	0	0
401090	4	1555	2	962	0	0	6	602	2	105
405060	4	1340	0	0	0	0	2	34	0	0
500050	1	328	0	0	0	0	1	3	0	0
500090	61	870	16	220	0	0	70	969	59	493
9000000001	1	345	2	46	0	0	57	654	2	88
9800000001	63	717	112	2451	1	25	1538	6692	33	35
9900000001	1496	774	411	146	35	31	1308	1007	213	131
Y-T-D Tot	1985	15669	692	21534	56	427	3615	28692	353	3202
NC YTD Tot*	59	4497	38	6917	2	69	74	6589	17	1877

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 89 - June 89

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	4	6	3	34	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	2	151	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	142	0	0	0	0	6	636	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	67
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	3	155	0	0	0	0	0	0
190090	0	0	1	14	2	16	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	2	789	0	0
210080	2	83	0	0	1	92	0	0	0	0
290040	1	37	0	0	0	0	0	0	0	0
290050	2	114	0	0	0	0	0	0	0	0
290070	0	0	0	0	2	196	0	0	0	0
290090	0	0	1	58	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	5	433	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	87	0	0
510080	2	66	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	1	640	0	0	0	0	0	0	0	0
690090	0	0	1	131	0	0	3	48	0	0
700020	0	0	0	0	0	0	1	70	0	0
700080	0	0	0	0	3	9	0	0	0	0
8460110080	5	176	0	0	0	0	3	184	0	0
190010	0	0	0	0	0	0	2	41	0	0
190050	1	72	0	0	0	0	1	47	1	155
210080	13	1461	0	0	2	749	0	0	0	0
290010	0	0	0	0	0	0	1	44	0	0
290030	1	15	0	0	0	0	5	195	0	0
290050	3	584	6	108	1	10	27	315	0	0
310080	0	0	0	0	2	71	0	0	0	0
390050	0	0	0	0	21	137	39	258	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	3	40	2	29	25	307	20	241	2	17
900060	0	0	0	0	0	0	0	0	5	178
900080	1	4	1	6	9	81	5	402	1	8
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	1	10	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	20
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	54	0	0
405060	0	0	0	0	3	65	3	113	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	2	17	6	78	1	3	7	109	1	24
9000000001	2	208	1	677	2	20	0	0	0	0
9800000001	83	709	3	5	18	52	133	772	41	628
9900000001	458	590	168	183	62	39	201	129	16	21
Y-T-D Tot	582	4956	197	1451	164	2467	462	4544	69	1118
NC YTD Tot*	24	1927	1	677	13	1513	10	890	5	178

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 89 - June 89

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	5	48	0	0	0	0	8	14	10	289
8457100015	2	329	0	0	0	0	1	150	2	275
100025	0	0	0	0	0	0	0	0	0	0
100035	1	135	0	0	0	0	0	0	1	46
100045	6	302	0	0	0	0	0	0	9	531
200010	2	1653	0	0	0	0	0	0	0	0
200090	1	86	0	0	0	0	1	588	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	3	523
8458110010	0	0	0	0	0	0	0	0	0	0
110030	29	2025	0	0	0	0	4	554	0	0
110050	4	685	0	0	0	0	0	0	2	478
110090	0	0	0	0	0	0	0	0	0	0
190030	21	481	0	0	0	0	1	6	5	52
190050	0	0	0	0	0	0	0	0	4	12
190070	3	172	0	0	0	0	4	193	0	0
190090	11	269	0	0	0	0	0	0	9	56
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	4	74	0	0	0	0	0	0	5	131
995090	14	302	0	0	1	28	4	334	3	345
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	125	6	641	3	563
290040	0	0	0	0	0	0	1	250	2	32
290050	0	0	0	0	3	12	0	0	2	61
290070	8	485	0	0	0	0	0	0	1	5
290090	0	0	0	0	1	18	0	0	12	297
310010	0	0	0	0	0	0	2	579	0	0
310040	0	0	0	0	0	0	0	0	1	366
310070	0	0	0	0	1	42	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	1	5	0	0	0	0	0	0	11	66
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	2	40	0	0	2	50
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	50	3	429
510080	0	0	0	0	1	58	0	0	1	36
590030	2	43	0	0	0	0	0	0	3	109
610080	0	0	0	0	0	0	0	0	2	158
690050	0	0	0	0	0	0	13	720	0	0
690070	7	350	0	0	0	0	0	0	0	0
690090	1	101	0	0	0	0	2	46	15	1083
700020	0	0	0	0	0	0	1	13	0	0
700080	1	3	0	0	7	2303	7	108	40	325
8460110080	14	948	0	0	0	0	3	250	15	604
190010	0	0	0	0	0	0	0	0	3	158
190050	3	580	0	0	1	12	4	769	9	788
210080	10	2035	0	0	0	0	5	1953	16	915
290010	1	36	0	0	0	0	3	655	2	693
290030	3	132	0	0	0	0	10	329	0	0
290050	25	1888	0	0	0	0	20	255	10	481
310080	0	0	0	0	1	35	0	0	3	89
390050	1	20	0	0	2	51	50	321	104	720
400060	0	0	0	0	0	0	0	0	0	0
400080	7	74	2	31	1	8	113	1207	54	573
900060	0	0	0	0	0	0	0	0	1	492
900080	13	81	0	0	4	13	33	597	17	290
8461100060	2	3163	0	0	0	0	0	0	0	0
100080	0	0	0	0	6	161	2	13	5	50
200010	0	0	0	0	0	0	0	0	0	0
200090	3	40	0	0	1	9	1	31	2	8
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	9	222	1	23	1	411
401070	7	254	0	0	0	0	0	0	2	46
401090	5	470	1	667	0	0	0	0	3	215
405060	1	672	0	0	0	0	0	0	2	466
500050	9	512	0	0	1	24	0	0	0	0
500090	60	1081	3	31	5	81	14	139	28	356
9000000001	5	75	0	0	5	38	9	197	14	514
9800000001	96	402	0	0	140	1232	85	1031	256	2092
9900000001	821	617	0	0	37	22	530	296	1590	1112
Y-T-D Tot	1209	20628	6	729	230	4532	939	12311	2288	17391
NC YTD Tot*	80	11807	0	0	5	283	22	4138	57	4909

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - June 89

RELEASED: September 27, 1989

Metal Forming Machine Tools

		TOTAL YTD	
		UNITS	$000
8454300010	Die casting machines	321	5731
8462100030	Headers and upsetters, including cold headers	45	8908
100050	Forging or die stamping machines, and hammers, n.e.c.	323	11666
210080	Bending, folding, straight. or flat. mach., incl presses, NC	195	13457
290030	Press brakes, non-NC	21	995
290040	Bending rolls, non-NC	41	1314
290050	Bending, folding, straight., or flat., n.e.c., non-NC	295	11283
310080	Shearing machines, NC	33	2856
390050	Shearing machines, non-NC	78	1972
410080	Punching or notching mach., incl. comb. punch & shear, NC	72	11411
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	416	13800
910060	Hydraulic presses, NC	50	1926
910090	Hydraulic presses, non-NC	299	11780
990030	Presses, n.e.c., NC	29	3917
990040	Presses, mechanical, non-NC	97	4127
990060	Presses, n.e.c., non-NC	323	15540
8463100080	Draw benches for bars, tubes, profiles, wire or the like	161	3455
200080	Thread rolling machines	25	2387
300080	Machines for working wire	566	19535
900080	Metal forming machine tools, n.e.c.	1370	60064
9800000002	Used or rebuilt machine tools	1964	37860
9900000002	Machine tools valued at less than $2,500	3201	2424
	Y-T-D Forming Total	9925	246407
	NC Y-T-D Forming Total	379	33567
	Cutting and Forming Totals:		
	Y-T-D Total	36800	466395
	NC Y-T-D Total*	1077	112525

Other Manufacturing Technology

		TOTAL YTD	
		*UNITS	$000
1000000000	Machine tool parts and accessories	0	336406
2710003070	Quenching or cutting oils	0	5495
8428900010	Industrial robots for lifting, handling, loading or unload	560	7785
8456100000	Laser, light or photon beam for working any material	1872	22504
200000	Ultrasonic process for working any material	75	401
8477106010	Injection molding mach., for rubber or oth. thermosetting	130	12113
106050	Injection molding mach., for thermoplastics	235	29168
200010	Extruders for rubber or other thermosetting materials	124	4965
200050	Extruders for processing thermoplastics	569	21337
300000	Blow molding machines	229	18266
400000	Vacuum-molding and other thermoforming machines	859	8256
8479899040	Industrial robots, n.e.c.	1268	17312
900040	Industrial robot parts	0	6598
8537100030	Numerical controls for controlling machine tools	7231	21033
9024100000	Machines and appliances for testing metals	0	40088
9031100000	Machines for balancing mechanical parts	0	13076
300000	Profile projectors	0	4303
9032810040	Industrial process control instr., hydraulic or pneumatic	310567	20202

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 89 - June 89

Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	10	42	3	26	0	0	1	34	83	979
8462100030	0	0	0	0	0	0	1	876	6	208
100050	7	273	2	27	3	58	0	0	48	685
210080	7	264	0	0	0	0	5	280	20	678
290030	0	0	0	0	0	0	0	0	5	188
290040	2	34	0	0	0	0	0	0	11	220
290050	2	25	0	0	1	7	0	0	74	2247
310080	0	0	0	0	0	0	0	0	7	639
390050	0	0	0	0	0	0	0	0	23	693
410080	3	417	0	0	0	0	1	83	29	5198
490050	7	102	0	0	0	0	9	111	67	1135
910060	1	77	0	0	0	0	0	0	9	247
910090	3	82	0	0	2	21	0	0	33	1934
990030	1	98	0	0	0	0	3	324	9	274
990040	0	0	0	0	0	0	0	0	7	152
990060	2	12	0	0	1	6	1	10	23	808
8463100080	0	0	0	0	0	0	3	33	4	120
200080	0	0	0	0	0	0	0	0	2	30
300080	5	101	2	49	0	0	12	148	31	821
900080	82	1905	2	408	9	967	10	284	61	728
9800000002	21	907	1	27	31	576	22	736	210	2132
9900000002	174	144	93	79	44	39	0	0	728	577
Y-T-D Tot	327	4485	103	616	91	1673	68	2919	1490	20692
NC YTD Tot	12	856	0	0	0	0	9	687	74	7036
C&F YTD	778	9526	138	1087	223	5729	298	6974	13380	50510
C&F NC YTD*	21	1741	0	0	25	2793	17	1147	189	17044

Other Manufacturing Technology

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	5470	0	817	0	3657	0	5618	0	57074
2710003070	0	141	0	0	0	75	0	4	0	846
8428900010	16	47	0	0	0	0	0	0	185	3590
8456100000	4	105	0	0	3	58	0	0	141	2066
200000	0	0	0	0	0	0	0	0	3	137
8477106010	1	73	0	0	2	65	1	71	16	830
106050	1	50	0	0	2	117	5	632	67	9770
200010	0	0	0	0	0	0	2	298	13	375
200050	7	972	0	0	2	480	2	43	174	4927
300000	1	478	0	0	0	0	0	0	16	3095
400000	68	241	0	0	52	443	3	31	195	895
8479899040	7	203	1	3	4	92	0	0	282	4139
900040	0	17	0	0	0	22	0	0	0	1452
8537100030	84	283	112	573	7	56	6	13	351	1311
9024100000	0	460	0	31	0	212	0	216	0	3342
9031100000	0	130	0	3	0	0	0	61	0	3203
300000	0	3	0	0	0	0	0	13	0	98
9032810040	5408	391	1825	93	4739	373	773	68	46210	2461

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

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Metal Forming

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	45	1159	14	109	14	159	0	0	6	287
8462100030	0	0	0	0	1	1070	0	0	0	0
100050	3	635	5	344	2	37	0	0	1	185
210080	0	0	2	61	2	123	0	0	2	1162
290030	0	0	0	0	6	289	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	11	362	7	985	0	0	10	131
310080	0	0	0	0	0	0	0	0	0	0
390050	1	9	1	32	1	32	0	0	0	0
410080	2	203	0	0	0	0	0	0	0	0
490050	34	652	10	207	5	479	0	0	13	657
910060	16	233	0	0	0	0	0	0	0	0
910090	0	0	3	27	0	0	1	6	1	38
990030	0	0	1	200	1	67	0	0	1	1088
990040	2	170	20	497	0	0	0	0	0	0
990060	0	0	32	1891	2	11	0	0	1	63
8463100080	0	0	1	12	0	0	0	0	1	27
200080	1	195	1	40	0	0	0	0	0	0
300080	27	681	30	512	3	42	0	0	21	770
900080	0	0	3	81	11	1862	1	29	17	412
9800000002	76	3301	32	214	5	328	6	74	24	325
9900000002	0	0	127	72	15	14	0	0	41	18
Y-T-D Tot	207	7239	293	4660	75	5498	8	109	139	5163
NC YTD Tot	18	437	3	261	3	190	0	0	3	2249
C&F YTD	531	20875	805	13129	220	9656	92	3098	364	12809
C&F NC YTD*	96	9349	45	6469	7	1529	4	1086	9	3245

Other Manufacturing Technology

1000000000	0	4176	0	8755	0	3228	0	135	0	8055
2710003070	0	8	0	17	0	279	0	128	0	60
8428900010	20	204	98	498	0	0	0	0	2	133
8456100000	0	0	32	1010	12	486	0	0	5	247
200000	0	0	0	0	1	25	0	0	0	0
8477106010	0	0	3	265	0	0	0	0	3	416
106050	0	0	1	368	0	0	0	0	4	323
200010	0	0	4	106	2	16	0	0	0	0
200050	16	1816	27	652	0	0	0	0	7	178
300000	1	576	12	1569	3	50	0	0	23	212
400000	22	1432	8	549	4	90	0	0	3	152
8479899040	10	60	98	1669	0	0	0	0	20	267
900040	0	114	0	156	0	0	0	0	0	72
8537100030	151	470	756	1696	13	41	0	0	336	610
9024100000	0	1302	0	650	0	222	0	2	0	987
9031100000	0	36	0	13	0	198	0	4	0	21
300060	0	0	0	5	0	0	0	0	0	5
9032810040	4620	347	13668	876	234	68	2	4	19212	1563

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	63	20	501	2	17	15	268	0	0
8462100030	17	2107	5	2468	0	0	5	35	0	0
100050	52	3891	17	388	0	0	40	780	1	31
210080	75	4729	9	1142	0	0	17	773	1	17
290030	2	195	1	49	0	0	7	275	0	0
290040	0	0	0	0	0	0	16	716	0	0
290050	15	1249	4	1056	1	7	51	1498	5	51
310080	3	137	2	52	0	0	2	122	1	40
390050	2	26	0	0	0	0	15	265	1	14
410080	3	1321	3	540	3	419	4	173	7	890
490050	9	190	20	3076	0	0	51	1371	0	0
910060	1	62	0	0	0	0	5	220	1	84
910090	7	1438	11	933	0	0	178	1872	3	48
990030	3	521	0	0	0	0	3	366	0	0
990040	21	636	8	207	1	51	7	336	0	0
990060	22	1303	9	1357	0	0	150	3083	0	0
8463100080	41	1009	5	100	0	0	7	153	0	0
200080	6	274	0	0	0	0	7	1511	0	0
300080	13	363	6	134	0	0	29	419	1	22
900080	101	11793	398	18933	2	11	74	1013	6	55
9800000002	27	919	147	5080	3	231	668	6470	1	150
9900000002	79	72	14	8	0	0	461	462	39	33
Y-T-D Tot	501	32298	679	36025	12	736	1812	22182	67	1435
NC YTD Tot	85	6770	14	1734	3	419	31	1654	10	1032
C&F YTD	2486	47967	1371	57559	68	1163	5427	50874	420	4637
C&F NC YTD*	144	11267	52	8651	5	488	105	8243	27	2909

Other Manufacturing Technology

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	34974	0	29414	0	1513	0	30411	0	3193
2710003070	0	219	0	128	0	15	0	254	0	33
8428900010	49	488	1	6	0	0	55	2238	0	0
8456100000	1130	7400	1	10	0	0	65	201	4	102
200000	60	31	0	0	0	0	2	23	0	0
8477106010	1	54	8	1969	14	1633	51	3974	0	0
106050	5	635	15	4285	0	0	38	5031	0	0
200010	3	72	7	178	0	0	52	2313	0	0
200050	18	275	39	437	0	0	80	4083	5	146
300000	1	5	20	1669	0	0	88	2335	1	15
400000	106	249	49	415	0	0	64	1287	8	2
8479899040	53	1910	30	1329	1	10	6	103	34	197
900040	0	1057	0	78	0	11	0	288	0	15
8537100030	145	1879	725	678	25	46	214	481	57	339
9024100000	0	10273	0	5640	0	52	0	1114	0	465
9031100000	0	512	0	3655	0	12	0	1825	0	49
300000	0	3413	0	120	0	0	0	7	0	6
9032810040	20519	1688	3559	518	2	7	30707	982	38300	2169

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	2	0	0	1	8	3	46	1	4
8462100030	0	0	0	0	0	0	0	0	6	676
100050	10	301	0	0	0	0	4	60	3	57
210080	0	0	0	0	6	197	3	491	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	1	11	0	0
290050	20	957	3	96	3	55	3	38	1	5
310080	5	1367	0	0	0	0	0	0	0	0
390050	0	0	26	713	0	0	0	0	0	0
410080	8	833	0	0	1	113	2	233	0	0
490050	1	3	18	473	10	88	29	836	10	144
910060	0	0	0	0	0	0	0	0	2	199
910090	2	41	1	10	1	17	4	405	0	0
990030	1	236	0	0	0	0	3	233	0	0
990040	2	924	0	0	0	0	0	0	0	0
990060	2	18	10	412	0	0	3	449	1	10
8463100080	28	382	0	0	0	0	1	10	5	166
200080	0	0	2	144	0	0	0	0	0	0
300080	1	6	10	358	2	30	5	81	8	201
900080	4	905	6	365	9	436	12	2637	7	168
9800000002	13	242	3	196	0	0	17	268	10	60
9900000002	26	30	2	2	0	0	7	7	0	0
Y-T-D Tot	124	6249	81	2768	33	944	97	5805	54	1689
NC YTD Tot	14	2436	0	0	7	310	8	957	2	199
C&F YTD	706	11205	278	4218	197	3411	559	10349	123	2807
C&F NC YTD*	38	4363	1	677	20	1824	18	1848	7	377

Other Manufacturing Technology

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	5842	0	3139	0	4545	0	6774	0	1356
2710003070	0	151	0	204	0	5	0	1186	0	71
8428900010	7	48	0	0	13	16	0	0	0	0
8456100000	2	24	4	72	2	40	29	1716	0	0
200000	0	0	4	116	1	17	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106050	10	1090	6	484	3	208	24	1538	0	0
200010	0	0	0	0	0	0	2	50	0	0
200050	3	549	0	0	0	0	51	1086	0	0
300000	0	0	1	263	1	12	5	96	5	1126
400000	7	62	0	0	38	248	2	12	1	8
8479899040	18	110	3	53	42	591	59	343	0	0
900040	0	70	0	52	0	24	0	10	0	0
8537100030	80	114	17	63	446	556	110	310	10	61
9024100000	0	1382	0	1901	0	224	0	1332	0	20
9031100000	0	649	0	29	0	33	0	141	0	2
300000	0	16	0	0	0	18	0	145	0	0
9032810040	4527	377	17383	920	758	148	7463	466	1272	66

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

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Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	20	129	0	0	26	1325	11	22	43	552
8462100030	0	0	0	0	0	0	2	201	2	1269
100050	51	1054	0	0	2	34	2	29	70	2796
210080	20	810	0	0	1	19	1	71	24	2639
290030	0	0	0	0	0	0	0	0	0	0
290040	1	25	0	0	0	0	0	0	10	307
290050	20	801	0	0	9	142	18	865	37	705
310080	12	395	0	0	0	0	0	0	1	104
390050	2	26	0	0	0	0	1	63	5	99
410080	3	745	0	0	1	36	2	205	0	0
490050	32	1413	0	0	2	118	16	142	73	2603
910060	6	97	2	108	0	0	0	0	7	599
910090	6	184	0	0	4	145	3	2055	36	2526
990030	1	150	0	0	0	0	0	0	2	360
990040	20	876	0	0	0	0	0	0	9	278
990060	15	2157	0	0	11	204	19	3466	19	281
8463100080	7	62	0	0	1	12	26	583	31	785
200080	1	19	0	0	0	0	0	0	5	173
300080	219	11217	0	0	22	550	25	1118	94	1912
900080	54	5034	0	0	8	175	59	2582	434	9281
9800000002	23	809	0	0	28	2973	24	537	572	11304
9900000002	201	109	0	0	22	18	259	180	869	561
Y-T-D Tot	714	26112	2	108	137	5752	468	12117	2343	39133
NC YTD Tot	42	2198	2	108	2	55	3	276	34	3703
C&F YTD	1923	46740	8	837	367	10284	1407	24428	4631	56523
C&F NC YTD*	122	14005	2	108	7	338	25	4414	91	8611

Other Manufacturing Technology

1000000000	0	40019	0	212	0	6402	0	23837	0	47790
2710003070	0	60	0	0	0	487	0	72	0	1052
8428900010	5	77	0	0	0	0	78	353	31	87
8456100000	161	1989	7	168	0	0	53	2017	217	4793
200000	4	53	0	0	0	0	0	0	0	0
8477106010	3	179	4	565	2	148	1	650	20	1221
106050	15	1224	0	0	6	689	11	1285	22	1441
200010	0	0	0	0	5	59	26	1299	8	199
200050	22	377	0	0	12	1709	13	549	91	3059
300000	1	24	5	1976	26	472	5	775	14	3518
400000	129	1047	0	0	2	12	9	65	89	1016
8479899040	101	996	0	0	0	0	409	4188	90	1048
900040	0	2414	0	0	0	3	0	559	0	182
8537100030	1958	6729	0	0	133	67	1036	2639	459	2019
9024100000	0	3015	0	149	0	222	0	3318	0	3556
9031100000	0	976	0	0	0	87	0	478	0	959
300000	0	219	0	0	0	0	0	197	0	39
9032810040	25366	1914	0	0	857	392	22740	1438	40423	2875

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	4	145	0	0	4	145
Czechoslovakia	0	0	0	0	0	0
Denmark	9	17	70	547	79	564
East Germany	0	0	0	0	0	0
Finland	280	75	20	269	300	344
Greece	11	327	6	1409	17	1736
Hungary	6	64	0	0	6	64
Iceland	0	0	0	0	0	0
Ireland	26	567	28	2836	54	3403
Luxembourg	0	0	0	0	0	0
Norway	16	106	33	437	49	543
Poland	33	403	6	196	39	598
Portugal	15	54	14	308	29	362
Romania	0	0	0	0	0	0
Sweden	173	1936	52	3905	225	5841
Turkey	16	2018	6	408	22	2426
Yugoslavia	3	65	13	224	16	289
Oth Europe	0	0	2	95	2	95
TOTAL	4364	67204	2241	66230	6605	133435
NORTH AND CENTRAL AMERICA						
Bahamas	30	26	5	48	35	74
Barbados	5	9	5	10	10	18
Belize	0	0	0	0	0	0
Bermuda	8	211	1	3	9	214
Costa Rica	36	225	12	59	48	285
Dominican Rep	31	281	35	412	66	693
El Salvador	14	284	3	24	17	308
Guatemala	9	35	4	771	13	806
Haiti	0	0	9	5	9	5
Honduras	5	60	6	109	11	169
Jamaica	11	19	10	103	21	123
Panama	8	32	4	65	12	96
Trinidad	10	34	3	42	13	77
Oth N & C Am.	7	93	75	586	82	679
TOTAL	15679	59820	3474	45111	19153	104931
SOUTH AMERICA						
Argentina	46	1320	379	438	425	1758
Bolivia	0	0	0	0	0	0
Chile	46	543	326	2123	372	2666
Colombia	262	782	711	2057	973	2839
Ecuador	3	8	7	153	10	161
Paraguay	2	6	0	0	2	6
Peru	5	37	31	599	36	636
Uruguay	14	135	0	0	14	135
Oth South Am.	1	96	4	69	5	165
TOTAL	839	11513	1663	14111	2502	25623
OCEANIA						
New Zealand	17	229	3	41	20	270
Oth Oceania	5	126	4	61	9	187
TOTAL	473	5396	334	4587	807	9983

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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	575	2464	191	3412	766	5877
Iran	0	0	5	730	5	730
Iraq	14	554	20	1994	34	2547
Israel	29	516	67	2441	96	2957
Jordan	2	12	2	60	4	72
Kuwait	6	79	1	96	7	175
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	6	9	0	0	6	9
Oman	1	12	0	0	1	12
Pakistan	6	685	29	703	35	1388
Philippines	173	527	31	835	204	1362
Qatar	0	0	0	0	0	0
Saudi Arabia	84	586	39	925	123	1511
Sri Lanka	11	17	0	0	11	17
Syria	0	0	0	0	0	0
United Arab Emr	22	222	0	0	22	222
Vietnam	0	0	0	0	0	0
Oth Asia	15	60	47	831	62	891
TOTAL	5343	74774	2189	107674	7532	182448
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	1	21	2	26	3	48
Ethiopia	8	43	0	0	8	43
Gabon	0	0	0	0	0	0
Ghana	2	15	0	0	2	15
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	1	16	1	16
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	3	429	1	2	4	432
South Africa	158	758	15	8438	173	9196
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	1	21	1	21
Zaire	1	2	0	0	1	2
Zambia	0	0	0	0	0	0
Zimbabwe	3	8	1	11	4	19
Oth Africa	1	4	3	180	4	184
TOTAL	177	1281	24	8695	201	9976

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89 - June 89

RELEASED: September 27, 1989

		TOTAL YTD UNITS	TOTAL YTD $000
8456301010	Traveling wire electro-discharge machines, NC	389	32482
301030	Traveling wire electro-discharge machines, non-NC	115	8084
301050	Electro-discharge machines, n.e.c., NC	107	4581
301070	Electro-discharge machines, n.e.c., non-NC	166	5981
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	1094	90153
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	104	12887
100035	Horiz. mach. ctrs., ATC	355	67971
100045	Mach. ctrs., n.e.c.	167	19533
200010	Unit construction mach. (single station transfer), NC	8	1027
200090	Unit construction mach. (single station transfer), non-NC	13	549
300010	Multi-station transfer machines, NC	10	9498
300090	Multi-station transfer machines, non-NC	64	15602
8458110010	Horiz. lathes, multiple spindle, NC	140	22656
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1580	122067
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	306	41835
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	50	6497
190030	Horiz. engine or toolroom lathes, non-NC	1405	13589
190050	Automatic bar and/or chucking mach., single spindle, non-NC	216	7046
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	46	3161
190090	Horiz. lathes, n.e.c., non-NC	539	7688
911060	Vertical turret lathes, multiple spindle, NC	13	2187
911080	Vertical turret lathes, n.e.c., NC	23	3284
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	2	682
915070	Vertical lathes, excl. VTL's, n.e.c., NC	43	4238
991050	Vertical turret lathes, non-NC	24	2830
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	415	11652
8459100000	Way-type unit head machines	7	423
210080	Other drilling machines, NC	227	21024
290040	Drilling machines, multiple spindle, non-NC	42	2418
290050	Drilling machines, radial, non-NC	240	1505
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	133	1037
290090	Drilling machines, n.e.c., non-NC	324	20026
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	4	1626
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	88	8877
310070	Boring-milling mach., n.e.c., NC	44	2514
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	26	706
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	102	3991
400040	Boring machines, vertical, NC	12	5729
400050	Boring machines, vertical, non-NC	24	291
400070	Boring machines, n.e.c., NC	9	2298
400080	Boring machines, n.e.c., non-NC	133	4515
510080	Milling machines, knee type, NC	623	10088
590030	Milling machines, knee type, non-NC	1676	16792
610080	Milling machines, excl. knee type, n.e.c., NC	128	20414
690050	Milling machines, profile, dup., or die sinking, non-NC	11	438
690070	Milling machines, bed type, non-NC	58	1850
690090	Milling machines, n.e.c., non-NC	336	7446
700020	Threading or tapping machines, n.e.c., NC	151	8270
700080	Threading or tapping machines, n.e.c., non-NC	140	5417
8460110080	Flat surface grinding mach., NC	103	6083
190010	Flat surface grinding mach., recip.-table type, non-NC	511	5859
190050	Flat surface grinding mach., n.e.c., non-NC	881	10077
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	188	42976
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	200	7665
290030	Grinding mach., internal cylindrical, non-NC	76	5735
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	756	23791
310080	Sharpening machines (tool & cutter grinding), NC	148	1766
390050	Sharpening machines (tool & cutter grinding), non-NC	346	5190
400060	Honing or lapping machines, NC	26	5662
400080	Honing or lapping machines, non-NC	83	2607
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	34	2784
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	629	16495
8461100060	Planing machines, NC	0	0
100080	Planing machines, non-NC	1	54
200010	Shaping or slotting machines, NC	26	1433
200090	Shaping or slotting machines, non-NC	31	1294
300060	Broaching machines, NC	9	2067
300080	Broaching machines, non-NC	39	3951
401050	Gear hobbers	57	9226
401070	Gear shapers	7	1049
401090	Gear cutting machines, n.e.c.	252	547
405060	Gear grinding or finishing machines	81	9838
500050	Sawing or cutting-off machines, NC	56	1861
500090	Sawing or cutting-off machines, non-NC	951	12550
9000000001	Metal cutting machine tools, n.e.c.	350	10142
9800000001	Used or rebuilt machine tools	3486	21314
9900000001	Machine tools valued at less than $2,500	284087	44141
	Y-T-D Cutting Total	305346	921611
	NC Y-T-D Cutting Total	6311	589216

Please see notes on last page
of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89 - June 89

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	2	74	0	0	0	0	0	0	0	0
301030	0	0	0	0	7	205	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	1	2	12	214	1	8
8457100015	0	0	0	0	1	77	3	245	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	48	2258
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	217
300010	0	0	0	0	0	0	0	0	3	1673
300090	0	0	0	0	9	565	0	0	2	682
8458110010	0	0	0	0	1	109	0	0	1	239
110030	0	0	10	59	0	0	5	356	0	0
110050	0	0	3	9	0	0	10	914	0	0
110090	0	0	0	0	0	0	2	128	0	0
190030	0	0	94	722	2	18	0	0	1	7
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	3	311	1724	0	0	3	19	7	292
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	1	45
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	2	161
991050	0	0	8	30	0	0	0	0	0	0
995090	0	0	27	123	8	119	1	95	23	522
8459100000	0	0	0	0	0	0	0	0	1	133
210080	0	0	0	0	0	0	0	0	11	1002
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	23	169	0	0	0	0	11	51
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	14	481	43	10243	11	470
310010	0	0	1	230	0	0	0	0	0	0
310040	0	0	0	0	1	38	0	0	4	552
310070	0	0	0	0	0	0	0	0	9	668
390040	0	0	0	0	0	0	0	0	4	156
390050	0	0	0	0	6	108	0	0	11	499
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	10	161
400070	0	0	0	0	0	0	0	0	3	37
400080	0	0	0	0	17	187	0	0	43	417
510080	4	124	0	0	1	4	2	6	0	0
590030	0	0	0	0	1	3	26	267	7	2795
610080	0	0	0	0	1	216	10	28	6	931
690050	0	0	0	0	0	0	0	0	1	4
690070	0	0	0	0	0	0	0	0	0	0
690090	4	747	0	0	6	36	1	44	9	42
700020	5	185	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	19	210	0	0
8460110080	0	0	0	0	0	0	0	0	1	11
190010	0	0	0	0	0	0	0	0	34	596
190050	0	0	3	79	18	153	1	8	18	280
210080	0	0	0	0	0	0	1	3	1	317
290010	0	0	0	0	0	0	1	105	1	55
290030	0	0	0	0	0	0	0	0	4	991
290050	1	5	0	0	162	2210	7	144	12	424
310080	0	0	0	0	0	0	0	0	1	19
390050	0	0	1	6	30	127	1	21	10	109
400060	0	0	0	0	3	30	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	144
900060	0	0	0	0	3	13	0	0	11	165
900080	0	0	1	5	20	313	27	155	60	1874
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	2	48	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	2	24
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	12	1	5	86	439
405060	0	0	0	0	2	18	0	0	1	5
500050	0	0	0	0	0	0	0	0	0	0
500090	21	158	2	17	150	1997	10	274	100	543
9000000001	0	0	0	0	26	795	53	949	8	905
9800000001	15	2766	0	0	1196	970	9	56	51	391
9900000001	16	16	74	22	376	278	706	440	17463	3188
Y-T-D Tot	69	4078	558	3195	2065	9131	954	14926	18096	24501
NC YTD Tot	11	383	14	298	11	487	33	1680	102	8078

Please see notes on last page of the metal forming section.

U.S. IMPORTS

Metal Cutting Machine Tools - January 89 - June 89

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	353	28816	0	0	0	0	0	0	0	0
301030	57	5022	0	0	0	0	1	24	0	0
301050	57	3889	0	0	0	0	0	0	0	0
301070	44	1421	0	0	0	0	1	23	0	0
8457100015	828	75172	25	1150	55	2949	0	0	0	0
100025	42	9488	1	83	0	0	1	91	0	0
100035	257	49253	10	1091	0	0	0	0	0	0
100045	32	4065	5	235	0	0	1	74	2	684
200010	8	1027	0	0	0	0	0	0	0	0
200090	7	164	0	0	0	0	0	0	2	44
300010	3	3071	0	0	0	0	0	0	0	0
300090	30	11831	0	0	0	0	0	0	0	0
8458110010	111	17115	0	0	0	0	0	0	0	0
110030	1411	114045	41	2286	3	31	0	0	0	0
110050	271	38707	6	244	0	0	1	543	0	0
110090	24	1859	6	783	0	0	0	0	0	0
190030	19	1015	95	1096	78	803	8	280	0	0
190050	64	5001	0	0	0	0	1	13	0	0
190070	1	266	0	0	0	0	0	0	0	0
190090	8	405	10	494	0	0	4	273	0	0
911060	11	2060	1	83	0	0	0	0	0	0
911080	21	2970	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	12	1862	2	101	0	0	1	344	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	13	860	83	3821	0	0	22	520	0	0
8459100000	4	153	0	0	0	0	0	0	0	0
210080	208	19365	0	0	0	0	1	5	0	0
290040	29	1409	0	0	0	0	0	0	0	0
290050	5	167	0	0	0	0	5	44	40	166
290070	10	470	11	48	0	0	13	53	4	12
290090	95	4673	0	0	0	0	80	851	13	41
310010	0	0	0	0	0	0	0	0	0	0
310040	1	273	0	0	0	0	0	0	0	0
310070	3	152	0	0	0	0	1	5	0	0
390040	2	193	0	0	0	0	1	179	0	0
390050	1	1907	0	0	0	0	0	0	0	0
400040	4	4899	0	0	4	163	0	0	0	0
400050	2	88	0	0	0	0	0	0	0	0
400070	6	2261	0	0	0	0	0	0	0	0
400080	8	989	1	30	0	0	0	0	2	12
510080	18	2645	0	0	0	0	303	2102	0	0
590030	22	435	1	8	0	0	346	2361	1	26
610080	28	14434	0	0	10	405	1	51	1	23
690050	3	407	0	0	0	0	0	0	0	0
690070	6	354	0	0	0	0	1	43	1	125
690090	39	1561	1	17	0	0	96	1135	1	38
700020	131	7843	4	131	0	0	0	0	0	0
700080	58	1405	0	0	0	0	5	255	3	26
8460110080	39	3723	0	0	0	0	0	0	0	0
190010	161	2082	0	0	175	2109	0	0	0	0
190050	72	2394	7	23	5	109	0	0	3	10
210080	86	28545	0	0	0	0	0	0	0	0
290010	67	4378	0	0	0	0	0	0	3	157
290030	3	497	0	0	0	0	2	141	0	0
290050	90	10279	0	0	12	135	1	69	13	2203
310080	6	211	0	0	0	0	1	3	0	0
390050	24	268	0	0	0	0	3	12	0	0
400060	12	5147	0	0	0	0	0	0	0	0
400080	12	589	0	0	0	0	0	0	4	44
900060	12	1822	0	0	0	0	1	110	0	0
900080	62	4243	27	176	1	8	4	272	80	521
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	26	1433	0	0	0	0	0	0	0	0
200090	3	236	0	0	13	330	0	0	1	3
300060	9	2067	0	0	0	0	0	0	0	0
300080	3	800	0	0	0	0	0	0	0	0
401050	2	273	9	407	0	0	0	0	0	0
401070	2	351	0	0	0	0	0	0	0	0
401090	24	6	0	0	0	0	0	0	0	0
405060	42	2504	0	0	0	0	0	0	0	0
500050	36	1611	0	0	0	0	0	0	0	0
500090	185	5617	1	9	0	0	14	66	4	83
9000000001	26	611	0	0	0	0	6	144	3	66
9800000001	682	7405	9	123	0	0	1	10	98	61
9900000001	21047	4230	3737	518	3	3	183	43	1249	1023
Y-T-D Tot	27100	536787	4093	12955	359	7044	1110	10142	1528	5369
NC YTD Tot	4067	449900	101	6185	72	3547	312	3330	3	707

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Cutting Machine Tools - January 89 - June 89

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	33	3525	0	0	0	0	1	67	0	0
301030	21	2249	28	309	0	0	1	275	0	0
301050	0	0	2	42	38	533	0	0	10	117
301070	36	2430	32	508	8	119	24	1083	7	175
8457100015	0	0	44	2552	100	4752	33	3209	5	47
100025	0	0	15	726	41	2481	0	0	4	17
100035	1	255	3	261	4	466	80	16645	0	0
100045	5	3294	6	416	24	1378	23	5481	21	1650
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	3	124	0	0	0	0
300010	1	208	0	0	0	0	1	4293	2	254
300090	20	2332	0	0	2	129	1	63	0	0
8458110010	2	118	1	36	0	0	24	5039	0	0
110030	8	559	67	3165	10	558	1	162	24	846
110050	0	0	6	335	1	205	6	808	2	71
110090	4	674	2	88	1	37	9	2410	2	517
190030	0	0	429	3305	185	2519	0	0	494	3824
190050	5	893	118	779	0	0	5	254	23	107
190070	12	1710	8	64	14	626	3	423	8	72
190090	1	57	11	104	142	1912	12	1641	29	764
911060	0	0	0	0	1	43	0	0	0	0
911080	0	0	0	0	0	0	1	269	0	0
915050	0	0	0	0	0	0	2	682	0	0
915070	1	64	8	392	5	18	6	1120	6	177
991050	8	1219	0	0	1	74	7	1507	0	0
995090	2	368	25	285	39	1005	26	535	146	3400
8459100000	0	0	0	0	1	101	1	37	0	0
210080	0	0	1	4	0	0	6	647	0	0
290040	5	366	0	0	0	0	6	278	2	365
290050	0	0	86	466	0	0	9	75	61	366
290070	0	0	3	24	2	7	32	188	58	236
290090	5	49	11	172	6	50	43	2971	3	26
310010	0	0	0	0	3	1396	0	0	0	0
310040	0	0	0	0	0	0	62	7701	20	313
310070	3	412	0	0	1	59	22	1064	5	153
390040	0	0	0	0	1	31	7	67	11	79
390050	0	0	49	227	1	99	9	589	25	563
400040	0	0	0	0	3	631	0	0	1	36
400050	0	0	12	42	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	3	852	0	0	16	331	30	1022	13	676
510080	0	0	147	1476	102	3027	9	474	37	229
590030	0	0	839	4952	354	1555	8	3703	71	687
610080	2	2629	59	940	4	121	1	136	5	499
690050	0	0	6	22	0	0	0	0	1	6
690070	0	0	47	407	0	0	2	920	1	3
690090	5	507	45	217	22	213	17	854	90	2035
700020	0	0	10	104	0	0	0	0	1	7
700080	0	0	3	9	10	682	37	2612	5	218
8460110080	4	37	35	394	6	723	10	1115	8	80
190010	0	0	121	494	7	60	3	499	10	20
190050	18	385	612	3994	58	754	11	675	55	1213
210080	30	5187	4	125	10	222	56	8578	0	0
290010	22	1797	2	16	10	147	87	969	7	42
290030	11	371	2	29	1	43	19	3264	34	399
290050	25	2334	42	273	54	749	306	4528	31	437
310080	6	69	99	770	0	8	35	684	0	0
390050	24	655	28	210	53	348	147	2486	25	948
400060	4	91	0	0	1	24	6	371	0	0
400080	6	149	0	0	26	642	30	879	4	160
900060	1	313	1	33	0	0	2	315	3	13
900080	45	1814	31	293	88	948	125	3558	58	2315
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	54	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	9	47	0	0	1	257	2	372
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	29	2373	7	778	0	0
401050	0	0	0	0	0	0	40	8433	4	89
401070	0	0	0	0	0	0	4	675	1	23
401090	88	11	4	4	6	3	42	68	0	0
405060	19	1970	0	0	0	0	12	5097	5	244
500050	0	0	1	7	0	0	12	175	7	69
500090	4	79	172	906	52	173	146	2224	90	404
9000000001	6	443	6	42	47	519	47	4964	122	702
9800000001	20	640	724	636	487	2118	141	5736	53	403
9900000001	273	75	187174	26825	2119	1015	4488	2452	45179	4014
Y-T-D Tot	**789**	**41186**	**191190**	**57526**	**4200**	**36204**	**6344**	**128084**	**46891**	**30484**
NC YTD Tot	**105**	**17433**	**511**	**11867**	**382**	**16913**	**420**	**63204**	**167**	**5203**

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - June 89

RELEASED: September 27, 1989

Metal Forming Machine Tools

		TOTAL YTD	
		UNITS	$000
8454300010	Die casting machines	2641	22976
8462100030	Headers and upsetters, including cold headers	59	6053
100050	Forging or die stamping machines, and hammers, n.e.c.	796	43845
210080	Bending, folding, straight. or flat. mach., incl presses, NC	645	16253
290030	Press brakes, non-NC	216	5864
290040	Bending rolls, non-NC	48	1469
290050	Bending, folding, straight., or flat., n.e.c., non-NC	583	26597
310080	Shearing machines, NC	20	2312
390050	Shearing machines, non-NC	333	8089
410080	Punching or notching mach., incl. comb. punch & shear, NC	182	18787
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	349	8417
910060	Hydraulic presses, NC	24	2345
910090	Hydraulic presses, non-NC	196	12336
990030	Presses, n.e.c., NC	31	4724
990040	Presses, mechanical, non-NC	66	23337
990060	Presses, n.e.c., non-NC	693	41846
8463100080	Draw benches for bars, tubes, profiles, wire or the like	25	2105
200080	Thread rolling machines	21	964
300080	Machines for working wire	248	11909
900080	Metal forming machine tools, n.e.c.	426	16722
9800000002	Used or rebuilt machine tools	451	7915
9900000002	Machine tools valued at less than $2,500	10177	3500
	Y-T-D Forming Total	18230	288365
	NC Y-T-D Forming Total	902	44421
	Cutting and Forming Totals:		
	Y-T-D Total	323576	1209976
	NC Y-T-D Total	7213	633636

Other Manufacturing Technology

		TOTAL YTD	
		UNITS	$000
1000000000	Machine tool parts and accessories	0	341692
2710003070	Quenching or cutting oils	0	42
8428900010	Industrial robots for lifting, handling, loading or unload	916	23926
101010	Laser, light or photon beam for working metal, NC	47	6880
101020	Laser, light or photon beam for working metal, non-NC	12	1234
105000	Laser, light or photon beam for other materials	1063	2796
201010	Ultrasonic processes for working metal, NC	4	421
201050	Ultrasonic processes for working metal, non-NC	10	22
205000	Ultrasonic processes for working other materials	130	442
8477106010	Injection molding mach., for rubber or oth. thermosetting	426	46399
106050	Injection molding mach., for thermoplastics	1341	135806
200010	Extruders for rubber or other thermosetting materials	98	14151
200050	Extruders for processing thermoplastics	378	23175
300000	Blow molding machines	141	22224
400000	Vacuum-molding and other thermoforming machines	148	13182
8479899040	Industrial robots, n.e.c.	11847	80714
900040	Industrial robot parts	0	0
8537100030	Numerical controls for controlling machine tools	5493	23519
9024100000	Machines and appliances for testing metals	0	7829
9031100000	Machines for balancing mechanical parts	0	4256
300000	Profile projectors	0	2925
9032810020	Industrial process control instr., hydraulic	88294	1416
810060	Industrial process control instr., pneumatic	50347	1439

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - June 89

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	2423	1014	0	0	9	748
8462100030	0	0	0	0	0	0	0	0	5	508
100050	0	0	0	0	135	2398	4	18	5	351
210080	27	733	0	0	8	524	4	56	2	267
290030	69	2210	0	0	73	2406	0	0	0	0
290040	0	0	0	0	3	674	0	0	4	158
290050	1	4	0	0	173	4611	3	49	65	1149
310080	2	51	0	0	0	0	0	0	0	0
390050	51	715	0	0	33	941	7	226	13	715
410080	0	0	0	0	0	0	2	106	2	345
490050	2	608	0	0	21	630	2	59	29	169
910060	0	0	0	0	3	217	0	0	0	0
910090	0	0	0	0	29	933	0	0	10	1015
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	2	67	0	0
990060	59	2708	0	0	215	12064	8	44	35	1805
8463100080	5	503	0	0	2	12	0	0	3	492
200080	0	0	0	0	0	0	1	28	0	0
300080	76	2569	4	132	9	738	2	69	13	1259
900080	0	0	0	0	17	535	15	104	75	1604
9800000002	16	644	0	0	98	1449	6	66	24	409
9900000002	3	2	7	11	141	87	25	29	344	132
Y-T-D Tot	311	10747	11	143	3383	29234	81	922	638	11116
NC YTD Tot	29	784	0	0	11	741	6	163	4	612
C&F Y-T-D	380	14825	569	3338	5448	38366	1035	15847	18734	35617
C&F NC YTD	40	1168	14	298	22	1229	39	1843	106	8690

Other Manufacturing Technology

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
1000000000	0	2784	0	637	0	74908	0	11518	0	8097
2710003070	0	0	0	0	0	3	0	0	0	0
8428900010	0	0	3	103	121	3333	31	4	33	684
8456101010	0	0	0	0	0	0	2	268	2	789
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	4	379	0	0	4	218
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	7	7
205000	0	0	0	0	100	1	0	0	0	0
8477106010	0	0	0	0	24	3982	25	3201	25	2005
106050	0	0	0	0	165	19440	5	675	98	8679
200010	0	0	1	2	4	46	6	1514	6	374
200050	1	198	0	0	68	1546	1	74	12	2589
300000	0	0	1	103	19	1539	10	3812	12	925
400000	0	0	0	0	10	200	0	0	0	0
8479899040	0	0	0	0	208	1539	110	44	1	1
900040	0	0	0	0	0	0	0	0	0	0
8537100030	0	0	0	0	3	11	0	0	182	576
9024100000	0	2	0	0	0	209	0	27	0	273
9031100000	0	0	0	23	0	103	0	28	0	9
300000	0	0	0	0	0	0	0	0	0	16
9032810020	0	0	0	0	45	13	1	8	1	1
810060	0	0	0	0	0	0	1548	66	850	80

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - June 89

Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	82	17168	1	87	0	0	0	0	0	0
8462100030	48	3971	0	0	0	0	0	0	0	0
100050	292	33028	0	0	1	3	0	0	0	0
210080	506	10692	0	0	0	0	0	0	1	62
290030	20	559	0	0	15	178	10	82	0	0
290040	16	349	0	0	0	0	0	0	19	261
290050	114	11800	0	0	0	0	7	19	55	1106
310080	4	644	0	0	0	0	0	0	0	0
390050	40	1236	2	33	23	262	2	7	6	62
410080	79	10235	0	0	0	0	0	0	1	24
490050	103	3871	1	5	0	0	66	642	25	589
910060	16	1779	0	0	0	0	0	0	2	313
910090	75	5334	2	18	1	138	0	0	6	710
990030	9	4099	0	0	0	0	0	0	0	0
990040	45	22617	0	0	0	0	0	0	2	500
990060	231	21860	0	0	0	0	5	104	34	291
8463100080	0	0	0	0	0	0	0	0	0	0
200080	3	205	0	0	0	0	5	145	0	0
300080	80	4206	0	0	1	21	0	0	2	65
900080	176	8813	0	0	0	0	2	14	11	312
9809000002	91	1944	2	5	0	0	44	146	3	16
9900000002	788	704	52	26	1	1	170	131	30	28
Y-T-D- Tot	2818	165116	60	175	42	603	311	1292	197	4358
NC YTD Tot	614	27450	0	0	0	0	0	0	4	398
C&F Y-T-D	29918	701902	4153	13130	401	7647	1421	11434	1725	9726
C&F NC YTD	4681	477349	101	6185	72	3547	312	3330	7	1105

Other Manufacturing Technology

1000000000	0	95479	0	1439	0	3517	0	2016	0	6325
2710003070	0	23	0	0	0	0	0	2	0	0
8428900010	607	14116	0	0	0	0	0	0	70	2795
8456101010	27	4841	0	0	0	0	0	0	0	0
101020	1	309	0	0	0	0	0	0	0	0
105000	212	561	0	0	0	0	0	0	0	0
201010	4	421	0	0	0	0	0	0	0	0
201050	0	0	1	6	0	0	0	0	1	3
205000	13	361	1	1	0	0	0	0	0	0
8477106010	190	25965	1	79	3	205	0	0	1	4
106050	491	68323	27	1066	6	260	4	32	1	50
200010	21	6338	1	19	0	0	0	0	1	16
200050	43	3564	2	9	0	0	0	0	1	77
300000	31	7424	2	69	0	0	0	0	0	0
400000	25	2227	0	0	0	0	0	0	3	24
8479899040	6475	68542	0	0	1	12	0	0	50	2223
900040	0	0	0	0	0	0	0	0	0	0
8537100030	4096	22051	0	0	0	0	0	0	0	0
9024100000	0	4689	0	0	0	0	0	0	0	93
9031100000	0	2767	0	22	0	0	0	0	0	0
300000	0	1216	0	27	0	0	0	0	0	0
9032810020	61	5	2550	426	0	0	0	0	0	0
810060	412	452	31000	138	5	1	0	0	2847	563

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 89 - June 89

Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	12	2178	1	22	79	441	6	876	28	442
8462100030	0	0	3	30	1	364	2	1179	0	0
100050	21	49	13	15	37	1241	124	5500	164	1242
210080	3	126	17	242	3	228	45	2111	29	1212
290030	0	0	1	5	1	61	5	25	22	338
290040	0	0	0	0	2	14	4	13	0	0
290050	9	641	25	1067	19	1983	74	3043	38	1125
310080	2	311	0	0	0	0	6	1161	6	145
390050	2	464	1	3	86	534	42	2403	25	490
410080	9	1953	4	227	1	42	78	4753	6	1102
490050	1	6	32	725	16	325	50	690	1	98
910060	0	0	0	0	0	0	0	0	3	36
910090	9	1465	8	266	9	1416	22	812	25	229
990030	3	8	2	96	0	0	7	218	10	302
990040	1	16	1	70	14	61	1	6	0	0
990060	6	62	16	438	32	365	38	1484	14	620
8463100080	0	0	0	0	0	0	13	1080	2	18
200080	0	0	3	29	0	0	7	549	2	6
300080	3	16	6	111	12	166	35	2179	5	367
900080	15	902	10	146	40	592	55	3451	10	249
9800000002	26	735	9	12	46	489	53	1498	33	501
9900000002	562	111	5652	1409	98	48	286	195	2018	584
Y-T-D Tot	684	9042	5804	4914	496	8370	953	33226	2441	9107
NC YTD Tot	17	2397	23	565	4	270	136	8243	54	2797
C&F Y-T-D	1473	50228	196994	62440	4696	44574	7297	161310	49332	39590
C&F NC YTD	122	19830	534	12432	386	17183	556	71448	221	8000

Other Manufacturing Technology

1000000000	0	20312	0	11821	0	19919	0	64715	0	18207
2710003070	0	0	0	0	0	0	0	14	0	0
8428900010	8	870	1	3	21	351	5	836	16	831
8456101010	11	559	0	0	4	326	1	97	0	0
101020	1	430	0	0	2	120	8	374	0	0
105000	7	30	0	0	93	124	609	1160	134	325
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	16	78	0	0	0	0	0	0	1	6
8477106010	28	1179	45	2143	4	54	0	0	0	0
106050	26	4631	37	1504	13	804	50	6256	30	1327
200010	5	142	9	340	5	1760	353	19302	115	11039
200050	19	1171	29	460	47	532	36	3415	3	186
300000	0	0	9	277	0	0	144	12394	11	562
400000	0	0	2	15	23	2496	53	7420	4	655
8479899040	64	2398	1	133	91	241	81	7454	4	766
900040	0	0	0	0	0	0	1237	4421	3609	1161
8537100030	1	6	600	3	411	48	0	0	0	0
9024100000	0	228	0	0	0	667	195	813	5	11
9031100000	0	76	0	13	0	74	0	956	0	684
300000	0	135	0	0	0	924	0	731	0	409
9032810020	1207	42	0	0	7328	280	0	564	0	43
810060	0	0	12860	27	1	1	51	39	77050	601
							309	33	515	78

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89   June 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	650	5639	25	525	675	6164
Bulgaria	0	0	0	0	0	0
Czechoslovakia	37	607	0	0	37	607
Denmark	311	1006	16	199	327	1205
East Germany	165	793	1	5	166	798
Finland	839	1238	55	1792	894	3030
Hungary	26	1953	0	0	26	1953
Ireland	34	28	7	24	41	52
Luxembourg	1	12	8	507	9	520
Netherlands	404	3766	140	1884	544	5651
Norway	3	50	6	320	9	371
Poland	92	1299	0	0	92	1299
Portugal	79	254	37	462	116	716
Romania	0	0	0	0	0	0
USSR	1	21	1	4	2	25
Yugoslavia	400	2349	2	438	402	2787
Oth Europe	10	90	149	668	159	758
TOTAL	36142	283596	4118	85903	40260	369499
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	400	160	158	1062	558	1222
Oth N & C Am.	1	19	0	0	1	19
TOTAL	2466	9311	3541	30296	6007	39607
SOUTH AMERICA						
Argentina	8	133	2	65	10	198
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	566	3328	13	208	579	3536
OCEANIA						
Australia	158	1418	5	37	163	1455
New Zealand	50	44	4	281	54	324
Oth Oceania	0	0	0	0	0	0
TOTAL	208	1462	9	318	217	1780

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 89 June 89

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	42702	6277	1541	198	44243	6474
Hong Kong	310	427	198	21	508	448
India	134	363	9	11	143	373
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	69	2430	47	465	116	2895
Malaysia	0	0	0	0	0	0
Pakistan	0	0	2	1	2	1
Philippines	0	0	12	2	12	2
Thailand	0	0	0	0	0	0
Oth Asia	0	0	1	2	1	2
TOTAL	265957	623807	10534	171506	276491	795313
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	4	14	11	131	15	145
Swaziland	0	0	4	3	4	3
Oth Africa	3	93	0	0	3	93
TOTAL	7	108	15	134	22	241

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.